	Form PTO-1595 Rev. 09/0470932 OMB No. 0651-0027 Mayo. 6/30/2005) 10-07-2 OMB No. 0651-0027 Mayo. 6/30/2005) 1030964	United States Patent and Trademark Office
10-4.2	To the Direct for the U.S. Palest and Trademark Office: Please 1. Name of conveying the View (les)/Execution Date(s): AT&T Wireless Service, Inc.	2. Name and address of receiving party(ies) Name: Cingular Wireless II, LLC. Internal Address: Suite 1700
	Execution Date(s) 10/27/2005; 4/11/2005 Additional name(s) of conveying party(les) attached? Yes No 3. Nature of conveyance: Assignment Merger Security Agreement Change of Name	Street Address: 5565 Glenridge Conn. City: Atlanta State: Georgia
	A. Patent Application No.(s) See Attached Sheets	Additional name(s) & address(es) attached? Yes No document is being filed together with a new application. B. Patent No.(s) See Attached Sheets
	Additional numbers at	tached? ✓ Yes No

Additional numbers a	ttached? ✓ Yes No
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 513
Name: Cinquiar Wireless, LLC	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 20,520
Internal Address: <u>Attn; Linda Giles</u> #1725A	Authorized to be charged by credit card Authorized to be charged to deposit account
Street Address: 5565 Glenridge Connector	Enclosed None required (government interest not affecting title
	8. Payment Information
City: Atlanta State: Georgia Zip: 30342	a. Credit Card Last 4 Numbers Expiration Date
Phone Number: 404-236-6720	b. Deposit Account Number 502450
Fax Number:Email Address: linda.glles@cinqular.com	Authorized User Name Coulter C. Henry
	0/27/2005
Signature: Coulter C. Henry; Reg. No.: 51,121 Name of Person Signing	Total number of pages including cover sheet, attachments, and documents:

Patents

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Patent Applications

10/941247

10/933677

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10/939103

29/213592

10/367981

PATENT ASSIGNMENT AGREEMENT

THIS PATENT ASSIGNMENT AGREEMENT ("Assignment") is executed by and between New Cingular Wireless Services, Inc., a Delaware corporation ("Assignor") f/k/a AT&T Wireless Services, Inc., on the one hand, and Cingular Wireless II, Inc., a Delaware corporation ("Assignee"), on the other hand.

WHEREAS, Assignor is the owner of certain patentable inventions, patent applications and patents (as disclosed and set forth in Schedule A; collectively, the "Patents"), which Assignor desires to assign to Assignee; and

WHEREAS, Assignee desires to accept such assignment of the Patents.

NOW, THEREFORE, in consideration of ten dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties agree as follows:

- 1. Assignment of Patents. Effective as of the date hereof, Assignor assigns, transfers and conveys to Assignee, its successors, assigns and legal representatives, all of Assignor's right, title and interest in and to the Patents, all agreements and contracts of Assignor related to such Patents (the "Related Agreements") and the improvements and inventions disclosed in said Patents throughout the world, and all divisions, reexaminations, reissues, substitutions, continuations, continuations-in-part and extensions thereof, including the right to file applications and obtain patents, utility models, industrial models and designs for said inventions and improvements in Assignee's own name throughout the world including all rights of priority, all rights to publish cautionary notices reserving ownership of said inventions and all rights to register said inventions in appropriate registries. Assignor authorizes and requests the Commissioner of Patents and Trademarks and any foreign registrar or governmental authority to issue all patents on said applications or applications resulting therefrom to said Assignee, as assignee of Assignor's entire interest. Assignor agrees that it will communicate to said Assignee or its representatives any facts known to Assignor respecting said improvements and inventions, and, at Assignee's expense, testify in any legal proceedings, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid said Assignee, its successors, assigns and nominees, to obtain and enforce proper protection for said Patents in all countries, and asserts that it will not execute any agreements inconsistent therewith. Assignee acknowledges that Assignor's assignment of any jointly owned Patent identified on Schedule A shall be subject to any rights such joint owner may have in such Patent.
- 2. <u>Assumption</u>. Effective as of the date hereof, Assignee hereby assumes the due and full payment and performance of all of the liabilities and obligations of Assignor under the Related Agreements.
- 3. Governing Law. This Assignment shall be governed by and construed in accordance with the laws of the United States of America and of the State of Delaware.

- 4. Successors and Assigns. This Assignment shall inure to the benefit of and be binding on the successors and assigns of both parties.
- 5. Patents Subject to Consent. To the extent that any of the Assignor's right, title or interest in and to the Patents or any other rights, contracts, agreements or assets of the Assignor related thereto and/or liabilities or obligations of Assignor purported to be assigned hereunder may not be assigned, transferred or conveyed to, or assumed by, Assignee without the consent, release, authorization or waiver of any third party and such consent, release, authorization or waiver has not been obtained prior to the date hereof (such Patents and other rights, contracts, agreements and assets, the "Non-Transferable Patents" and such liabilities and obligations, "Non-Transferable Liabilities"), this Assignment shall not constitute an assignment, transfer, conveyance or assumption or an attempted assignment, transfer, conveyance or assumption thereof. In this circumstance, this Assignment shall to the extent possible under the Non-Transferable Patent and applicable law constitute an equitable assignment by Assignor to Assignee of all of Assignor's right, title and interest in and to, the Non-Transferable Patents and Assignee shall be deemed to be Assignor's agent for the purpose of paying, performing or discharging the Non-Transferable Liabilities on behalf of Assignor. Assignor shall take all actions reasonably requested by Assignee to provide Assignee with the benefits of the Non-Transferable Patents, including with respect to the enforcement of rights with respect thereto. Assignee shall, with respect to the Non-Transferable Liabilities, pay, perform or discharge in accordance with their terms all liabilities and obligations of Assignor under the Non-Transferable Liabilities. If Assignor is unable to effect an equitable assignment of any Non-Transferable Patent, Assignor shall transfer to Assignee an amount of cash equal to the fair market value (determined as of the date of this Assignment) of such Non-Transferable Patent.

[signatures on following pages]

Executed this 21th day of October, 2004.

Assignor: NEW CINGULAR WIRELESS SERVICES, INC. f/k/a
AT&T Wireless Services, Inc.

By:

Name: Stephen A. McGran

Title: Vice President - Corporate Development

APPROVED:

HE. VICE I FACIAL CAPPAIDLE DESCRIPTION

STATE OF GEORGIA
COUNTY OF Fulton

On this \mathfrak{J} day of October, 2004, before me, a Notary Public in and for the State and County foresaid, personally appeared $\underline{Sphen} \ \underline{A} \cdot \underline{mc} \underline{Ga\omega}$ known by me to be the person above named and an officer of New Cingular Wireless Services, Inc., duly authorized to execute this Assignment Agreement on behalf of New Cingular Wireless Services, Inc., who signed and executed the foregoing instrument on behalf of New Cingular Wireless Services, Inc.

Notary Public My Commission Expires:

Skery of Garret

SHERRY L. GARRETT - NOTARY PUBLIC

County of DeKalb



State of Georgia

My Commission Expires Oct. 16, 2005

Acknowledged this 27 4 day of October, 2004.

Assignee: CINGULAR WIRELESS II, INC.

Title: Vice Precident-Corporate Development

KEPROYED:

COUNTY OF

On this 27 day of October, 2004, before me, a Notary Public in and for the State and County foresaid, personally appeared Stephen mc Gaw known by me to be the person above named and an officer of Cingular Wireless II, Inc., duly authorized to execute this Assignment Agreement on behalf of Cingular Wireless II, Inc., who signed and executed the foregoing instrument on behalf of Cingular Wireless Π , Inc.

Notary Public My Commission Expires:

Sherry & Harrett SHERRY L. GARRETT - NOTARY PUBLIC

County of

State of Georgia

My Commission Expires Oct. 15, 2:105

Schedule A

<u>Patents</u>

• All inventions and trade secrets and related rights of Assignor not otherwise listed below

Docket	Application	Patent		Country	Application Date	Grant Date	Title
Number	Number	Number	Owner				Antenna for Enhanced
0.1	08/400463	5638081	AT&T Wireless	United States	15-Jun-95	10-Jun-97	Radio Coverage
145.05	20000		AT&T Wireless	United States	07-Jun-95	09-Sep-97	Antenna
148.US	29/041775	D383463	אומו אווינוסס	respondent			
000	0500387		AT&T Wireless	Convention	06-Oct-94		Antenna Mounting System
149.EPC	20270606		ATRT Wireless	United States	06-Jun-95	24-Jun-97	Antenna Mounting System
149.US	1965220	5641141	Aldi William				for a Wireless
			AT&T Wireless	United States	23-Sep-94	13-Jan-98	Communications Terminals
150.US	29/024956	D389140	200		, o	17-Oct-95	Terminal
153115	29/024955	D363281	AT&T Wireless	United States	23-JUI-94		Personal Communicator
20:20		0022000	AT&T Wireless	United States	26-Nov-97	01-Jul-03	With Flip Element Display
154.US.C2	08/979110	007/809	3		20 00		With Flip Element Display
154 US.C2(1)	10/455125		AT&T Wireless	United States	co-unc-co		High Rate Reed-Solomon
							Coded 16 Star OAM
							System for Transmission of
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155 BR	P19509749-0	P19509749-0	AT&T Wireless	Brazil	CG-AON-27		High Rate Reed-Solomon
							Coded 16 Star QAM
							System for Transmission of
					30	-	Data Over Celiular Modile Radio
155 CA	2203903		AT&T Wireless	Canada	CS-A0N-22		
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ATL01/11768196v1

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							High Rate Reed-Solomon	
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							Data Over Cellular Mobile	
155.MX	9703830	195559	AT&T Wireless	Mexico	22-Nov-95	16-Mar-00	Radio	-
	-						High Rate Reed-Solomon	
					•		Coded 16 Star OAM	
			•				System for Transmission of	
•			_		•		Data Over Cellular Mobile	
155.US	08/344156	5659578	AT&T Wireless	United States	23-Nov-94	19-Aug-97	Radio	_
							High Rate Reed-Solomon	
							Concatenated Trellis	
							Coded 16 Star CAM	
						_	System for Transmission of Data Over Cellular Mobile	
155 US.C1	-626907	5838728	AT&T Wireless	United States	06-May-97	17-Nov-98	Radio	
							Cyclic Trellis Coded	Γ_
156.BR	PI9509908-5	mailed	AT&T Wireless	Brazil	22-Nov-95	13-Apr-04	Modulation	
						;	Cyclic Trellis Coded	
156.MX	9703831	196647	AT&T Wireless	Mexico	22-Nov-95	25-May-00	Modulation	_
156.US	08/344111	5675590	AT&T Wireless	United States	23-Nov-94	07-Oct-97	Cyclic Trellis Coded Modulation	
							Cyclic Trellis Coded	
156.US.C1	08/890507	5931965	AT&T Wireless	United States	09-Jul-97	03-Aug-99	Modulation	1
70 01	000013000	E704447	AT&T Wireless	United States	11-Dec-95	21~Jul-98	Cyclic Trellis Coded Modulation	
130.03.01	00/21/02/03	2000					Cyclic Trellis Coded	Γ.
156.US.D2	08/581477	5907565	AT&T Wireless	United States	17-Nov-95	25-May-99	Modulation	Т
156 HS D2C 1(1)	10/039038	6578173	AT&T Wireless	United States	04-Jan-02	10-Jun-03	Cyclic Trellis-Coded Modulation	_
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156.US.D2C1(2)	10/434385		AT&T Wireless	United States	07-May-03		Modulation	Т
							System and Method for Wireless Transmission of	<u> </u>
							Digital Data Using	.
			_	:	;		Differentially Encoded Pilot	
157.BR	PI9509910-7	PI9509910-7	AT&T Wireless	Brazil	22-Nov-95	17~Jul-03	Words	Ť
157.CA	. 5203902		AT&T Wireless	Canada	22-Nov-95		Differentially Encoded Pilot Word System and Method	
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Docket Application Patent Number Owner Country Name Number Number Number Owner Name 157.MX 9703832 195560 AT&T Wireless Mexico 157.US 08/34238 5805083 AT&T Wireless United States 177.DK 566582 69128727.9 AT&T Wireless Denmark 177.DK 92900021.4 566582 AT&T Wireless Denmark 177.DK 92900021.4 566582 AT&T Wireless France 177.DK 92900021.4 566582 AT&T Wireless Spein 177.CB 92900021.4 566582 AT&T Wireless Spein 177.CB 9266582 2112309 AT&T Wireless Spein 177.US 566582 AT&T Wireless Spein 177.US 576582 AT&T Wireless United States 177.US 077606523 5197082 AT&T Wireless Canada 218334 AT&T Wireless Canada							1	
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92900021.4 566582 AT&T Wireless F 566582 AT&T Wireless C 566582 AT&T Wireless S 566582 AT&T Wireless S 566582 AT&T Wireless S 566582 AT&T Wireless S 5197092 AT&T Wireless AT&T Wireless S 5197092 AT&T Wireless AT&								System for a Personal
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92900021.4 566582 AT&T Wireless Control 5197092 AT&T Wireless AT&T				A TOT Wilsolper	France	31-Oct-91	14-Jan-98	Cellular Telephone
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2188334 2188334 AT&T Wireless		•	2007070	AT&T Wireless	United States	31-Oct-90	23-Mar-93	Cellular Telephone
2188334 AT&T Wireless		23	280/810					Powered Down Selection
2188334 AT&T Wireless								Communications Service
2188334 2188334 Alat Wiletess				A TOT Mirelace	Canada	21-Oct-96	17-Apr-01	Provider in a Multi-Service
			2188334	AI &I WIIEESS	500			•

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Docket	Application	Patent	Owner	Country	Application Date	Grant Date	Title
Number	Number						Provider Environment
				European Patent			Powered Down Selection of a Preferable Wireless Communications Service Provider in a Multi-Service
206.EPC	96120004.5	779751	AT&T Wireless	Convention	12-Dec-96	10-Dec-03	Provider Environment
,					12 Dec 06	10-Dec-03	of a Preferable Wireless Communications Service Provider in a Multi-Service Provider Environment
206.GB	96120004.5	779751	AT&T Wireless	Great Offiairi	12-060-30	2000	Powered Down Selection
<u> </u>	66000		AT&T Wireless	Mexico	09-Dec-96	06-Jul-01	of a Preferable Wireless Communications Service Provider in a Mutti-Service Provider Environment
ZUD.MX	200523	000000					Owered Down Selection of a Preferable Wireless Communications Service
311900	08/67/0002	8208215	AT&T Wireless	United States	12-Dec-95	02-Oct-01	Provider in a Multi-Service Provider Environment
200.03	00/31/0302	0070000					Powered Down Selection of a Preferable Wireless
							Communications Service Provider in a Multi-Service
0.00	0000	-	AT&T Wireless	United States	14-Jun-99		Provider Environment
200.03.01	0000001						Powered Down Selection of a Preferable Wireless
				Inited States	00-von-80	30-Oct-01	Communications Service Provider in a Multi-Service Provider Environment
206.US.C2	-25322	6311064	Alal Wireless	20000			Memory Exceed
				Brozil	09-lin-97		Notification for Wireless Network Communication Device
207.BR	9706556		Al&I WITEIESS	Diazii			Memory Exceled
2	. 626.20		AT&T Wireless	Mexico	09-Jun-97		Notification for Wireless Network Communication Device
207.MX	901330			Patent			Memory Exceed
207.PCT	PCT/US97/10095		AT&T Wireless	Cooperation	09-Jun-97		Notification for wireless

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Title	Network Communication Device	Memory Exceed	Notification for Wireless	Device	Memory Exceed	Notification for Wireless	Network Communication	Device Consoded Drivate	Landline-Supported Filvate	Base Station for Collecting	Cellular Network	Landline-Supported Private	Base Station for Collecting	Data and Switchable Into a	Cellular Network	Telephone System Having	Landline-Supported Private	Base Station Switchable	Into Cellular Network	Telephone System Having	Base Station Switchable	Into Cellular Network	Telephone System Having	Landline-Supported Private	Base Station Switchable	Into Cellular Network	Telephone System naving	Landline-Supported Filtrage	Toto Cellular Network	Telephone System Having	Landline-Supported Private	Base Station Switchable	Into Cellular Network	Telephone System Having	Landline-Supported Private	Base Station Switchaple	Into Cellular Network
Grant Date				24-Aug-00				30-Sep-03			00.000.00	00-080-99			02-Jan-01		•			·.		18.Mar.03	SO-INIAI														16-Jul-98
Application Date				23. hin.97	in the second			07-Mar-00	•			12-Dec-9/			17-Dec-96			•	24-Jun-97				74-70U-97			24-Jun-97				74-7m-97			24-Jun-97				24-Jun-97
Country	Treaty				I aiwan			United States				Taiwan			I Inited States	Source County			Brazil				Canada		European Patent	Convention				Japan			Mevico	SONOM			Taiwan
- John Committee			<u>. </u>		AT&T Wireless			AT&T Wireless				AT&T Wireless		•	A TOT LAUSOLOGO	AIGI WIREIESS		٠	AT&T Wireless	200			AT&T Wireless			AT&T Wireles	20001111			AT&T Wireless		· .	4 TO T 18/1-01-00	Alal Wildies			AT&T Wireless
Patent	Number				114335	-		CEDOUSE		-		103007				6169895							2259273									· ·					93482
Application	Number				86108772				09/519993			86118807			-	08/768371				9710989-4			2259273				97930213			10-504243		٠,		990238			86108826
Docket	Number				207.TW				207.US.C1			WT OUC	400.11		•	209.US				210.BR			210 CA				210.EPC			210.IP				210.MX			WT.012

Docket Number	Application Number	Patent Number	Owner	Country	Application Date	Grant Date	Title
							Telephone System Having Landline-Supported Private Base Station Switchable
210.US	08/671745	6035193	AT&T Wireless	United States	28-Jun-96	07-Mar-00	Into Cellular Network
211.CA	2195494	2195494	AT&T Wireless	Canada	20-Jan-97	24-Apr-01	Roaming Authorization System
211.EPC	97101730.6		AT&T Wireless	European Patent Convention	04-Feb-97		Roaming Authorization System
211.US	1951340	6411807	AT&T Wireless	United States	05-Feb-96	25-Jun-02	Roaming Authorization System
211.US.C1	10/051713	6560455	AT&T Wireless	United States	17-Jan-02	06-May-03	Roaming Authorization System
213.CA	2195487	2195487	AT&T Wireless	Canada	20-Jan-97	15-Oct-02	Location-Dependent Cellular Service Profile
213.US	08/603290	5950125	AT&T Wireless	United States	20-Feb-96	07-Sep-99	Location-Dependent Cellular Service Profile
218.BR.CP1	-74447		AT&T Wireless	Brazil	20-Feb-97		Method and Apparatus for Determining the Location of a Mobile Telephone
218.CA.CP1	2195591	2195591	AT&T Wireless	Canada	21-Jan-97	04-Sep-01	Method and Apparatus for Determining the Location of a Mobile Telephone
218.MX.CP1	971205	200820	AT&T Wireless	Mexico	17-Feb-97	09-Feb-01	Method and Apparatus for Determining the Location of a Mobile Telephone
218.US	08/472082	5732354	AT&T Wireless	United States	07-Jun-95	24-Mar-98	Method and Apparatus for Determining the Location of a Mobile Telephone
218.US.CP1	08/603793	5724660	AT&T Wireless	United States	20-Feb-96	03-Mar-98	Method and Apparatus for Determining the Location of a Mobile Telephone
221.CA	2191143	2191143	AT&T Wireless	Canada	25-Nov-96	16-May-00	Radio Telephone With Detachable Pager
221.US	08/576385	5854984	AT&T Wireless	United States	21-Dec-95	29-Dec-98	Radio Telephone With Detachable Pager
							Method and Apparatus for Indicating to a Wireless Network the Operational Mode of a Wireless
223.CA	2219366		AT&T Wireless	Canada	04-Dec-96		Communicator

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Title	Method and Apparatus for	Indicating to a Wireless	Mode of a Wireless	Communicator	Method and Apparatus for	Indicating to a Wireless	Network the Operational	Mode of a Wireless	Communicator	Method and Apparatus for	Indicating to a Wireless	Network the Operational	Mode of a Wireless	Communicator	A Method for Selecting a	Wireless Communications	Service Provider in a Multi-	Service Provider	Environment	A Method for Selecting a	Wireless Communications	Service Provider in a Multi-	Service Provider	Environment	A Method for Selecting a	Wireless Communications	Service Provider in a Mulu-	Service Provider	Environment	A Method for Selecuring a	Wireless Communications	Service Provider	Environment	Method for Selecting a	Wireless Communications	Service Provider in a Multi-	Service Provider	Environment	A Method for Selecting a	Wireless Communications	Service Provider III a molu-	Selvice Library
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Application	Number				96944746.5		, ,		;	976970		. ,			08/571050					2188330		-			96120011				00000	966230				/ 08/969710					09/152927	:		09/425240
Docket	Number				223.EPC 6	-				223.MX					223.US					224.CA				-	224.EPC					224.MX				224 US C1			-		224.US.C2	1.		224 115 0204

				Country	Application	Grant	
Application Patent Owner		Owner		Name	Date	Date	Title
							Environment
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							A Method for Selecting a
							Service Provider in a Multi-
							Service Provider
		10-1141	9	1 Inited States	28-Mav-02	03-Aug-04	Environment
10/154856 6771961 AIGH WHE		AIGI WIE	222	\dagger			A Method for Selecting a
							Wireless Communications
-				-	•		Service Provider
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-603471 AI&I WIFELESS	AI&I WIE	Al&I Wire	ess	חווונפת סומוכפ			Method and Apparatus for
							Storing Activation Data in a
		ATRT Wirel	990	United States	28-Jul-97	26-Oct-99	Cellular Telephone
08/901827		5	3				Method and Apparatus for
						;	Storing Activation Data in a
AT&T Wireless		AT&T Wire	less	United States	24-Dec-98	18-Nov-03	Cellular Telephone
							Storing Activation Data in a
		ATOT MILE	9	United States	09-Aug-01	08-Jun-04	Cellular Telephone
1902793 6748209 ATCH WITHERS	1	Alaı Wile	SSE	DINO CONTO			Method and Apparatus for
							Storing Activation Data in a
10/805247 AT&T Wireless	AT&T Wi	AT&T W	reless	United States	22-Mar-04		Cellular Telephone
	-		1	2000	07-4110-96	09-Apr-02	Method and Apparatus for Spectrum Analysis
2182817 A1&1 VIIEIESS		AIGI WI	eless	Callaga	8		Method and Apparatus for
		ATOTIMIE	99010	United States	12-Nov-99	24-Jun-03	Spectrum Analysis
09/439015 65841/5 AIGH WILL		210	2000				Dynamically Selecting a
	•				20 100 01		Wireless Network Offering
2274517 AT&T Wireless	AT&T Win	AT&T Win	eless	Canada	16-00-61		Dynamically
				Furneau Patent			Reconfigurable Wireless
		A T O T 18/12	900	Convention	16-Oct-97		Communicator
97954673.6 A1&1 WITEHESS	AI&I WIE	AI&I WIE	SS	COLLAGINO			Dynamically
					,		Reconfigurable Wireless
AT&T Wireless	AT&T W	AT&T W	ireless	Japan	16-Oct-97		Communicator
-100135							Dynamically Mireless
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	Title	Armrest Cradle for Electronic Communications	Handset	Armrest Cradle for	Electronic Communications	Handset	Armrest Cradle for	Electronic Communications	Handset	Armrest Cradle for	Handset	Customer Activation	System for Cellular	Network	Customer Activation System for Cellular	Network	Customer Activation	System for Cellular	Customer Activation	System for Cellular	Network	Customer Activation	System for Cellular	Network	Customer Activation	Network	Customer Activation	System for Cellular	Network	Customer Activation	Network	Customer Activation	System for Cellular	Network	Customer Activation	Network
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Application	Date		29-A10-96	So Anua		11-Sep-96			22-Oct-96			30-Oct-83		12-Nov-96		90,000,00	200000		05-Dec-96		05-Dec-96			05-Dec-96		90	02-080-60		05-Dec-96		46 1 03	10-101-01	+	28-Nov-96		05-Dec-96
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	Outro	OMIG		AT&T Wireless			AT&I WITBIESS			Al&i Wireless		AT&T Wireless	:	ATRT Wireless	Algi Wildias		AT&T Wireless		AT&T Wireless			AT&I Wireless		ATOT Mirelace	AIGI WII GIGSS		AT&T Wireless		4 + 0 + 18/1-01-0	A (&) Wireless		AT&T Wireless		20010-181-01-0	Alat Wireless	
tuoto C	Fatent	Number		2184424					•	200024		5865503					69630100.8		778716	21 201					778716	· .									218372	
	Application	Number		2184424			239633/1996			965014	-	08/550130			2190045		96119565.8		00440666 0 0440	90119303.0-2412		3016354.7		-	96119565.8		4103133.8	20000		324896/1996		2002.170351	200711000		965918	
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	Title	Customer Activation System for Cellular Network	Customer Activation System for Cellular Network	Customer Activation System for Cellular Network	Cordless Cellular System Base Station	Cordless Celtular Syst Base Station	Cordless Cellular System Base Station	Cordless Cellular System	Cordiess Cellular System Base Station	Cordless Cellular System Base Station	Cordless Cellular System Base Station	Cordless Cellular System	Cordless Celfular System	Cordless Cellular System	Method for Allocating					
Grant	Date	03-Dec-02	20-Apr-04		25-Jun-02	_	·								22-Jun-01	07-Oct-97	20-Jan-04	26-Aug-03		-
110000	Application Date	19-Jul-00	23-Aug-02	31-Mar-04	96-Sep-96	06-Sep-96	96-Sep-96	96-Sep-96	06-Sep-96	06-Sep-96	06-Sep-96	13-May-03	13-May-03	06-Sep-96	06-Sep-96	08-Sep-95	25-Oct-02	04-Sep-02	22-Aug-03	
	Country	ď			Canada	Canada	Canada	Canada	European Patent Convention	European Patent Convention	European Patent Convention	Hong Kong	Hong Kong	Japan	Mexico	United States	United States	United States	United States	
	Owner					AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	
	Patent			5506270	2231452										202500	62922	6681118	6611692		
	Application	500		CC/977/01	10/8145/4	2323253	2115281	2335275	96930783.4	2077851 B ·	2077053 0	2102279 3	3103513.2	420	4-012/01	361023	40/279866	10/235039	10/647105	
	Docket	5	-	+	235.US.C1(2)	5				226 CDC D4	230.57.30.	230.EP.C.DZ	236.HK2	230:172	750.JF	230.MA	1976	236.115.03(1)	236 US D3(2)	12000000

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Title	Method for Allocating a Mobile Station, TMSI	Method for Allocating a	Mobile Station TMSI	Mobile Station TMSI	Method for Allocating a	Mobile Station TMSI	Wireless Communication System Organization	Method and Apparatus for	Wireless Communication System Organization	Method and Apparatus for	System Organization	Method and Apparatus for	Wireless Communication System Organization	Method and Apparatus for	Wireless Communication System Organization	Method and Apparatus for	Wireless Communication System Organization	Method and Apparatus for	System Organization	Concurrent Ringing on Multiple Network	Telephones	Concurrent Ringing on Multiple Network	Telephones	Multiple Network	Telephones	Packet Data Transmission	Assignment	
Grant Date			18-Dec-01	11-Sep-98		21-Mar-00	16-Mar-00				24-Oct-00		08-Mar-00						02-Mar-99		05-Jul-99		11-Jun-02		24~Jun-03		14-Dec-99	
Application Date	11-hd-97	200	11-Jul-97	15-Jul-97		29-Jul-96	19-Dec-96		17-Dec-96		18-Nov-96		90-790	2000	22-Nov-96		19-Dec-96		21-Dec-95		24-Jun-97		27~Jun-96		15-Apr-02		22-Nov-96	
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		AT&T Wireless	AT&T Wireless	A T O T VAII SOLOGE	Alai Wildidas	AT&T Wireless		AI&I WIREIESS	A TOTAL	Alai Wireless	200100000000000000000000000000000000000	AIGI WIRERSS		AT&T Wireless		At&t Wireless		AIGI WIIGIGSS	AT 0 T 14/1-00-00	AIGI WIEGIGS	AT&T Wireless	5	AT&T Wireless		AT&T Wireless		AT&T Wireless	
Patent	Number		206300		94590	6039624		713550				2190552		2308952					. "	5878328	607707	101482	RANSOA!	tocoto	G584317	10000	2238552	
Application	Number	97934931.3			86109994	08/688626		75470/96		9606032		2190552		9625564.1		2096/MAS/96		338822		08/575974		86108830	9000000	08/00/800	40/400466	10/123400	7230662	7500077
Docket	Number	239.EPC		-	239.TW	239115		243.AU		243.BR		243.CA		243.GB		243.IN	٠,	243.JP		243.US		246.TW	<u> </u>	246.US	0.00	246.03.01		247.CA

Docket Number	Application Number	Patent Number	Owner	Country	Application Date	Grant Date	Title	
247.EPC	96939741.3		AT&T Wireless	European Patent Convention	22-Nov-96		Packet Data Transmission Using Dynamic Channel Assignment	ssion net
247.MX	984220	205488	AT&T Wireless	Mexico	22-Nov-96	13-Dec-01	Packet Data Transmission Using Dynamic Channel Assignment	ssion
247.PCT	PCT/US96/18743		AT&T Wireless	Patent Cooperation Treaty	22-Nov-96		Packet Data Transmission Using Dynamic Channel Assignment	ssion
247.US	08/563816	5790551	AT&T Wireless	United States	28-Nov-95	04-Aug-98	Packet Data Transmission Using Dynamic Channel Assignment	ssion nel
							Method and Apparatus for Providing Telecommunication Services Based on a	is for
248.BR	384115		AT&T Wireless	Brazil	19-May-97		Subscriber Profile Updated by a Personal Information Manager	dated
248.CA	2228169	2228169	AT&T Wireless	Canada	19-May-97	18-Feb-03	Method and Apparatus for Method and Apparatus for Providing Telecommunication Services Based on a Subscriber Profile Updated by a Personal Information Manager	us for dated ation
248.EPC	97926592.3		AT&T Wireless	European Patent Convention	19-May-97		Method and Apparatus for Providing Telecommunication Services Based on a Subscriber Profile Updated by a Personal Information Manager	us for dated atton
248.JP	10-500600		AT&T Wireless	Japan	19-May-97		Method and Apparatus for Providing Telecommunication Services Based on a Subscriber Profile Updated by a Personal Information Manager	is for dated atton
248.MX	980829	214649	AT&T Wireless	Mexico	19-May-97	09-Jun-03	Method and Apparatus for Providing Telecommunication Services Based on a	s for

Title	Subscriber Profile Updated	by a Personal Information	Maliayei	Method and Apparatus for	Providing	Coning Based On a	Subscriber Profile Updated	by a Personal Information	Manager	Method and Apparatus for	Telecommunication	Services Based on a	Subscriber Profile Updated	by a Personal Information Manager	Method and Apparatus for	Providing	Telecommunication	Services based on a Subscriber Profile Updated		7	Providing	Telecommunication	Services Based on a	Subscriber Profile Updated			Maintaining Channel	Wireless Communication	System Environment	Method and Apparatus for	Priority in a Multiple	Wireless Communication System Environment	
Grant	Date							•							-				· 	18-Jun-98			·	: 	03-Aug-99					·	<i>2</i> 1	22~Jan-02	
Application	Date								19-May-97					40 May 07	19-May-37	-			•	30-May-97					04-110-96	20 100			11-Jun-97			44_ hip_07	1 (Sull-3)
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Application	Number					_				19980461			·		PCT/US97/08455						86107435	· ·				888849			ž.	9706555			2227507
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	Title	Method and Apparatus for Maintaining Channel Priority in a Multiple	Wireless Communication System Environment	Method and Apparatus for	Maintaining Channel Priority in a Multiple	Wireless Communication	System Environment	Method and Apparatus for	Maintaining Channel	Priority in a Multiple	Mothod and Apparatus for	Maintaining Channel	Priority in a Multiple	Wireless Communication	System Environment	A Method for Selecting a	Preferable Wireless	Communications Service	Provider in a Muiti-Service	Provider Environment	A Method for Selecting a	Preferable Wireless	Communications Service	Provider in a Mulii-Service	A Method for Selecting a	,	Preferable Wireless	Preferable Wireless Communications Service	Preferable Wireless Communications Service Provider in a Multi-Service	Preferable Wireless Communications Service Provider in a Multi-Service Provider Environment	Preferable Wireless Communications Service Provider in a Multi-Service Provider Environment A Method for Selecting a	Preferable Wireless Communications Service Provider in a Multi-Service Provider Environment A Method for Selecting a Preferable Wireless	Preferable Wireless Communications Service Provider in a Multi-Service Provider Environment A Method for Selecting a Preferable Wireless Communications Service Provider in a Multi-Service	Preferable Wireless Communications Service Provider in a Multi-Service Provider Environment A Method for Selecting a Preferable Wireless Communications Service Provider in a Multi-Service	Preferable Wireless Communications Service Provider in a Multi-Service Provider Environment A Method for Selecting a Preferable Wireless Communications Service Provider in a Multi-Service Provider Environment A Method for Selecting a	Preferable Wireless Communications Service Provider in a Multi-Service Provider Environment A Method for Selecting a Preferable Wireless Communications Service Provider in a Multi-Service Provider Environment A Method for Selecting a Preferable Wireless	Preferable Wireless Communications Service Provider in a Multi-Service Provider Environment A Method for Selecting a Preferable Wireless Communications Service Provider Environment A Method for Selecting a Preferable Wireless Communications Service Provider Environment A Method for Selecting a Preferable Wireless Communications Service
Grant	Date	Method Maintal Priority	Wireles 06-Jul-01 System	Method	Priority	Wireles	System	Method	Maintai	Priority in 16-Dec-08 Wireless	\dagger	Maintai	Priority	Wireles	12-Oct-99 System		Prefera	Commit		01-May-01 Provide	A Meth	Prefera		21-Mav-03 Provide	T	Design		Commu	-	Commu Provide Provide 21-May-03 Provide							
Application (11-Jun-97 06-							23hm.97					28-Jun-96 12-(Z1-Oct-96 01-				12-Dec-96 21-N		-		-		12-Dec-96 21-A							
Country	Name		Mexico 1							Taiwan					United States 2					Canada				Germany					atent						atent	atent	atent
	Owner		AT&T Wireless		-					AT&T Wireless				_	AT&T Wireless					A I & I WIREIESS				AT&T Wireless						AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless AT&T Wireless	AT&T Wireless AT&T Wireless	AT&T Wireless AT&T Wireless	AT&T Wireless AT&T Wireless
Patent	Number		202991			•				96577		•		-	5966642			· ·	7400000	2188329				69628270						779753	779753	779753	779753	779753	779753	779753	779753
Application	Number		981511							86108843				•	08/672898				2400220	£1663£9				96120010.2						96120010.2	96120010.2	96120010.2	96120010.2	96120010.2	96120010.2	96120010.2 3011438.3	96120010.2 3011438.3
Docket	Number		250.MX							250.TW					250.US				252 04	435.CA				252.DE						252.EPC	252.EPC	252.EPC	252.EPC	252.EPC 252.EPC.D1	252.EPC 252.EPC.D1	252.EPC 252.EPC.D1	252.EPC 252.EPC.D1

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Docket	Application	Patent		Country	Application	Grant	<u>0</u>	
Number	Number	Number	Owner	Name	Date	Date	A Method for Selecting a	
				-		-	Preferable Wireless	
	. •					-	Communications Service	
			<u>· · · · · · · · · · · · · · · · · · · </u>				Provider in a Multi-Service	
	-			Crost Britain	12.Dec-96	21-May-03	Provider Environment	
252.GB	96120010.2	779753	AT&T Wireless	GIRAL DINIAIII	2000		A Method for Selecting a	
							Preferable Wireless	
							Communications Service	
							Provider in a Multi-Service	
			A TO T Mission	Maxico	09-Dec-96		Provider Environment	
252.MX	966232		AIGI WIIEIESS	Sivola			A Method for Selecting a	
				-			Preferable Wireless	
							Communications Service	
					•		Provider in a Multi-Service	
01.00	70007	6418318	AT&T Wireless	United States	12-Dec-95	09-Jul-02	Provider Environment	
252.03	08/37/09/04	2120145					A Method for Selecting a	
							Preferable Wireless	
	•						Communications service	
	-						Provider in a Multi-Service	
		6783360	AT&T Wireless	United States	19-Mar-02	24-Aug-04	Provider Environment	_
252.US.C1	10/099944	6077010	500				A Method for Selecting a	
							Preferable Wireless	
							Communications Service	_
							Dravider Environment	
252116 (1111)	policu		AT&T Wireless	United States	26-May-04		riomed Living	Т
232.03.01(1)	וומוונת						A Memod 101 Seleculity a	
	<u> </u>						in a Multi-Sanice Provider	
							Environment Using a	
				-	24 Oct-06	06-Aug-02	Geographic Database	
253.CA	2188333	2188333	AT&T Wireless	Callada	20.00-17		Method for Selecting a	_
					-		Wireless Service Provider	_
-						,.·	In a Multi-Service Provider	
							Environment Using A	_
1		Cutoff	AT&T Wireless	Germany	12-Dec-96	16-Jun-04	Geographic Database	Т
253.DE	69632713.908	761877	2000				Method for Selecting a	
							In a Multi-Service Provider	
•						-	Environment Using A	
			-	European Paterin	90 450	48 Inn OA	Geographic Database	.
253.EPC	96120005.2	779752	AT&T Wireless	Convention	12-080-90	2150-01	A Method for Selecting a	Π
			-				Wireless Service Provider	
			· · ·	 			In a Multi-Service Provider	
		000750	AT&T Wireless	Mexico	09-Dec-96	02~Jul-01	Environment Using a	٦
253.MX	966231	VC/202	ממומווא ושוער					
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Docket Number	Application Number	Patent Number	Owner	Country	Application Date	Grant	J.L
							Geographic Database
							A Method for Selecting a Wireless Service Provider
253.US	08/570903	5905955	AT&T Wireless	United States	12-Dec-95	18-Mav-99	Environment Using a Geographic Database
255.CA	2282443	2282443	AT&T Wireless	Canada	03-Feb-98	14-Oct-03	Wireless Communication Service Manadement
255.EPC	98904684.2		AT&T Wireless	European Patent Convention	03-Feb-98		Wireless Communication Service Management
255.MX	997818	210069	AT&T Wireless	Mexico	03-Feb-98	02-Sep-02	Wireless Communication Service Management
255.TW	87101700	106908	AT&T Wireless	Taiwan	09-Feb-98	12-Jan-00	Wireless Communication Service Management
255.US	08/810959	6167261	AT&T Wireless	United States	27-Feb-97	26-Dec-00	Wireless Communication Service Management
256.CA	2244682	2244682	AT&T Wireless	Canada	11-Aug-98	30-Mar-04	Wireless Communication Device With Call Screening
256.US	08/909387	6567671	AT&T Wireless	United States	11-Aug-97	20-May-03	Wireless Communication Device With Call Screening
256.US.D1	10/406912		AT&T Wireless	United States	02-Apr-03		Wireless Communication Device With Call Screening
258.AU	16648/97	749334	AT&T Wireless	Australia	01-Apr-97	24-Oct-02	Method for Determining Organization Parameters in a Wireless Communication System
258.AU.D1	773877		AT&T Wireless	Australia	20-Mar-02		Method for Determining Organization Parameters in a Wireless Communication System
258.BR	126070		AT&T Wireless	Brazil	27-Mar-97		Method for Determining Organization Parameters in a Wireless Communication System
258.CA	2199310	2199310	AT&T Wireless	Canada	06-Mar. 47	23 \$25.03	Method for Determining Organization Parameters in a Wireless Communication
					10-10-10-00	20-10A-02	System

Docket	Application	Patent		Country	Application Date	Grant Date	Title
Number	Number	Number	Owner	Maine			Method for Determining
							Organization Parameters in a Wireless Communication
				Groat Britain	01-Apr-97	11-Oct-00	System
258.GB	9706533.8	2311912B	Alai Wileless	1000			Method for Determining
-					٠.		Organization Parameters in
			:	٠	. •		a Wireless Communication
	1000	•	AT&T Wineless	India	04-Apr-97		System
258.IN	717/MAS/97		2000				Method for Determining
		-					Organization Parameters in
<u>.</u>							a Wireless Communication
			AT&T Wireless	lanan.	04-Apr-97		System
258.JP	85443/1997		Algi Wiedess				Method for Determining
					٠	· .	Organization Parameters in a Wireless Communication
			A TO T (A III COLOR)	Linited States	04-Apr-96	17-Dec-02	System
258.US	08/628214	6496700	AIGI WITEIESS	COUNTY OF THE PARTY OF THE PART			Method for Determining
							Organization Parameters in
					20 101		System -
258 US D2	10/082402		AT&T Wireless	United States	70-09J-07		Method and System for
700007							Automatic Activation of a
			ATRT Wireless	Brazil	15-Jul-97		Wireless Device
260.BR	1992490		Algi Wildigo				Method and System for
						3	Automatic Activation of a
A 7 0 0 0 0	2200528	2209528	AT&T Wireless	Canada	03-701-97	16-3011-01	Mathod and System for
CO.002	0766077			Eumpean Patent			Automatic Activation of a
		•	ATOTIMIzalace	Convention	26-Jun-97		Wireless Device
260.EPC	97304542		AIGH WIEGISS				Method and System for
				4	:		Automatic Activation of a
<u>.</u>	400864/1007		AT&T Wireless	Japan	16-Jul-97		Wireless Device
Z50.JF	19000#11991						Automatic Activation of a
				Movico	08-111-97	14-Mar-02	Wireless Device
260.MX	975114	207169	Al&i wireless	INICAICO			Method and System for
				-		,	Automatic Activation of a
			AT&T Wireless	Norway	08-Jul-97	,	Wireless Device
260.NO	199/3158				•	,	Method and System for
						76 1500	Automatic Activation of a
260.TW	86109681	95961	AT&T Wireless	Taiwan	09-Jul-97	10-NOV-90	Method and System for
					:		Automatic Activation of a
21.090	08/683013	5956636	AT&T Wireless	United States	16-Jul-96	21-Sep-99	Wireless Device
200:00							

Docket Number	Application Number	Patent Number	Owner	Country Name	Application Date	Grant Date	Title	
262.CA	2259329	2259329	AT&T Wireless	Canada	02-Jun-97	01-Jun-04	TDMA Messaging Service	8
262.EPC	97927794.4		AT&T Wireless	European Patent Convention	02-Jun-97		TDMA Messaging Service	8
262.JP	10-504109	·	AT&T Wireless	Japan	02-Jun-97		TOMA Messaging Service	8
262.MX	990211		AT&T Wireless	Mexico	02-lun-97		TDMA Messaging Service	8
262.US	08/672769	5875187	AT&T Wireless	United States	28-Jun-96	23-Feh.00	TDMA Messaging Service	8
262.US.C1	09/168919		AT&T Wireless	United States	09-Oct-98		TDMA Messaging Service	8
							Method for Optimal Selection Among Multiple Providers in a Wireless	
263.BR	9710455-8	9710455-8	AT&T Wireless	Brazil	24-Jun-97	10-Dec-02	Communications Service Environment	
43.63	2250230	C C C C C C C C C C C C C C C C C C C					Method for Optimal Selection Among Multiple Providers in a Wireless Communications Service	
5	7433430	0628622	A I & I Wireless	Canada	24-Jun-97	07-Jan-03	Environment	
263.EPC	97932326.8		AT&T Wireless	European Patent Convention	24-Jun-97		Method for Optimal Selection Among Multiple Providers in a Wireless Communications Service	8 8
263.JP	10-504316		AT&T Wireless	Japan	14-Dec-98		Method for Optimal Selection Among Multiple Providers in a Wireless Communications Service Environment	
263.TW	86108823	94720	AT&T Wireless	Taiwan	24-Jun-97	18-Sep-98	Method for Optimal Selection Among Multiple Providers in a Wireless Communications Service Environment	0 -
263.US	08/672907	5845198	AT&T Wireless	United States	28~Jun-96	01-Dec-98	Method for Optimal Selection Among Multiple Providers in a Wireless Communications Service Environment	
265.CA	2215819	2215819	AT&T Wireless	Canada	19-Sep-97	01~Jan-02	Method and Apparatus for	_
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Docket	Application	Patent		Country	Application	Grant Date	Title	
Number	Number	Number	Owner	Name			Providing a Caller ID Alias	
							Method and Apparatus for	
		212046	AT&T Wireless	Mexico	06-Oct-97	13-Dec-02	Method and Apparatus for	
265.MX	31,1011	2000		11-ited Chates		29-Jan-02	Providing a Caller ID Alias	
265.US	2007953	6343120	AT&T Wireless	†	25 50 00		Detection of Fraudulently	
		407646	AT&T Wireless	Taiwan	19-Jan-98	31-Jan-00	Registered Mobile Phones	
266.TW	8/100664	016701		7.7.70	24 15-07	14.Sen.00	Detection of Fraudulentily Registered Mobile Phones	
266.US	-65895	5953652	AT&T Wireless	United States	74-Jan-97	56-080-#1	Method and System for	
							Delivering a Voice Mail	
		· · · · · · · · · · · · · · · · · · ·		·			Notification to a Subscriber	
						6	Using Cellular Phone	
20116	08/838613	6006087	AT&T Wireless	United States	10-Apr-97	21-Dec-99	Method and System for	
203:03							Delivering a Voice Mail	
							Notification to a Subscriber	
							Using Cellular Phone	
				. United States	29-Nov-99	09-Jul-02	Network	
269.US.C1	09/448904	6418307	Al&! Wireless				Method and System for	
			-		• • •		Delivering a Voice Mail	
		-					Notification to a Subscriber	
							Using Cellular Phone	
		_	AT&T Wireless	United States	15-May-02		Network	
269.US.C2	10/147408						Method and System for	
-			<u> </u>				Message Notification	
			AT&T Wireless	Canada	27-Oct-98		Mothod and System for	_
270.CA	2251589						Method and Dystern C	
				European Patent	00 Flore 00		Message Notification	
270 500	98122142.7		AT&T Wireless	Convention	06-A0A1-07		Method and System for	
2 17:013			٠.				Delivering a Short	
		•	ATPT Mirelace	Mexico	30-Nov-98		Message Nouncauon	 -
270.MX	9810043		Algi Wildida				Method and System for	
					02.Dec.97	07-Oct-03	Message Notification	
270.16	-179851	6630883	AT&T Wireless	United States	02-000-30		Personal Information	
2/0:03	1000				••	`	Manager for Updating a	
						`	Telecommunication	_
				Brozil	19-Mav-97		Subscriber Profile	-
272.BR	384268		AT&T WIFEIESS	Diazii			Personal Information	
ļ			1		40 150: 07	12-5ep-00	Telecommunication	<u> </u>
272.CA	2228139	2228139	AT&T Wireless	Canada	18-May-87	- 45.A.S.		l

Docket	Application	Patent	Owner	Country	Application Date	Grant Date	Title	
Name							Subscriber Profile	
							Personal Information	
		-					Ō	<u>.</u>
		•		European Patent			Telecommunication	
יייי בפר יירי	07025647 6	•	AT&T Wireless	Convention	19-May-97		Subscriber Profile	
212.57	9192041.0						Personal Information	
-					•		ò	B
-							Telecommunication	
27.0 ID D4	2002,258840		AT&T Wireless	Japan	04-Sep-02		Subscriber Profile	
212.31.01	2002-20043						Personal Information	_
	-						Manager for Updating a	æ
					÷		Telecommunication	
770 117	050000	205256	AT&T Wireless	Mexico	19-May-97	16-Nov-01	Subscriber Profile	
21 2.IMA	200000	20202					Personal Information	
							Manager for Updating a	æ
							Telecommunication	
ON CEC	10080460	•	AT&T Wireless	Norway	19-May-97		Subscriber Profile	
61 6.INO	00400661					·	Personal Information	
				Patent			Manager for Updating a	ë
				Cooperation		•	Telecommunication	
779 CT	DCT// 1997/08510		AT&T Wireless	Treaty	19-May-97		Subscriber Profile	
212.101	21000101						Personal Information	
	•					<u> </u>	Manager for Updating a	e e
	•						Telecommunication	
, tr	06407404	02956	AT&T Wireless	Taiwan	30-May-97	09-Jun-98	Subscriber Profile	
Z/Z.1W	00107431	32030	2000				Personal Information	
			-				Manager for Updating a	æ
					-	:	Telecommunication	
. 31166	06777	5003845	AT&T Wireless	United States	04~Jun-96	11-May-99	Subscriber Profile	
212.03							Method for Providing	1
							Remote Emulation of the	D 40
		•		;		:	Functionality of a rest	
281.BR	9803891-5		AT&T Wireless	Brazil	09-Oct-98		Mathod for Drividing	
					•		Domoto Emulation of the	
					• ·	:	Functionality of a Private	ate
				opon-V	80.100	26-Mar-02	Exchange	
281.CA	2249895	2249895	AT&T WIREIESS	Canada	20-20-60		Method for Providing	
							Remote Emulation of the	the
				European Patent			Functionality of a Private	ate
700	0.700000		AT&T Wireless	Convention	09-Oct-98		Exchange	7
201.Er.C	9000024.9				•			

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Title	Method for Providing	Remote Emulation of the Functionality of a Private	Exchange	Method for Providing	Remote Emulation of the	Functionality of a raised	Exchange	Method for Providing	Remote Emulation of the	Functionality of a rivate	Exchange	Method for Providing	Remote Emulation of aire	Exchange	A Method for Allowing a	Called Party to Allocate	Call Payment	Responsibility	A Method for Allowing a	Called Party to Allocate	Call Payment	Responsibility	System for Providing	Power to a Wireless	System	System for Providing	System	System for Providing	Power to a Wireless	System	Method and System for Providing Power to a	Wireless System	Method and System for	Providing Power to a	Wireless System	Method and System for	Providing Power to a	Wireless System	
Grant Date			22-Nov-02			•					26-Feb-01			DR-May-01	O-Kelmon			23-Apr-02				16-Apr-02					-04- tan-02	20.110		15-Oct-02		03~101-01			-				
Application Date			09-Oct-98				09-Oct-98				12-Oct-98			10 10 07	10-Oct-97		. •	20.Oct.08	20-00-02			19-Nov-97			09-Oct-98		90 100	08-001-80		09-Oct-98		40 004 07	10-001-97		10-Anr-01			15-Jun-04	
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	Owner			AT&T Wireless			A T 0 T Windbace	Alai Wilcias			AT&T Wireless	AIGH WHICHOS			AT&T Wireless				AT&T Wireless				Al&i Wireless			Al&i Wireless		AT&T Wireless		ATOT Missione	AIGI Wireless		AT&T Wireless			AT&T WIREIESS		AT&T Wireless	
Patent	Number	<u> </u>		211550								121508			6229885	0555000			2252180				6373931		-			2249911		-	210851		6256518						
Application	Number			988391				19984742				87116913			701010100	08/94649/			2252180				08/974394			9803890.7		2249911			988387		08/948777			09/828859		40/966004	-
Docket	Number			281,MX				281.NO				281.TW				281.US		-	282 CA				282.US			283.BR		283 CA	75.557		283.MX		283115	203.03		283.US.CP1		70	- 205.007

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Title	Secure Equipment Automation Using a Personal Base Station	Secure Equipment Automation Using a Personal Base Station	Service Transfer to a Wireless Telephone	Service Transfer to a Wireless Telephone	Service Transfer to a Wireless Telephone	System and Method for Retrieving Messages From a Voice Message System	System and Method for Retrieving Messages From a Voice Message System	System and Method for Retrieving Messages from a Voice Message System	System and Method for Retrieving Messages From a Voice Message System	System and Method for Retrieving Messages From a Voice Message System	System and Method for Retrieving Messages From a Voice Message System	System and Method for Retrieving Messages From a Voice Message System	System and Method for Retrieving Messages From a Voice Message System	Method and Apparatus for Providing Partitioned Telecommunication Services	Method and Apparatus for Providing Partitioned Telecommunication Services
Grant Date	11-May-00	23-Feb-99	06-Mar-01	25-May-98	01-Dec-98		13-Feb-01					11-Aug-00	11-Jun-02		·
Application Date	03-Oct-97	96-po-60	07-Apr-97	05-May-97	09-May-96	17-Dec-97	20-Nov-97	20-Nov-97	10-Dec-97	16-Dec-97	10-Dec-97	11-Dec-97	17-Dec-96	26-Jun-98	04-Jun-98
Country Name	Taiwan	United States	Canada	Taiwan	United States	Brazil	Canada	European Patent Convention	Japan	Mexico	Norway	Taiwan	United States	Brazil	c c c c c c c c c c c c c c c c c c c
Owner	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	ATOT Mississia
Patent Number	110656	5875395	2202000	92547	5845207		2221660					114009	6405032		
Application Number	86114469	2088306	2202000	86105955	08/644027	1877348	2221660	97309357.8	9-339534	9710199	975816	86118705	08/766134	9802303	2230640
Docket Number	284.TW	284.US	285.CA	285.TW	285.US	286.BR	286.CA	286.EPC	286.JP	286.MX	286.NO	286.TW	286.US	287.BR	287 CA

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Docket	Application	Patent		Name	Date	Date	litle
Manhor	Nimber	Number	Owner	Nanie			Method and Apparatus for
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				Curoposa Patent			Telecommunication
				_	12~lun-98	. •	Services
-	09304671 5		AT&T Wireless	1			Method and Apparatus for
287.EPC	300040110			,			Providing Partitioned
			÷				Telecommunication
		,					Services
			AT&T Wireless	Japan	24-Jun-98		Method and Apparatus for
287.JP	10-176895						Davidion Partitioned
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				Maxico	24-Jun-98		Services
707 147	985150		AT&T WIRBIESS	Mexico		L	Method and Apparatus for
VM. 102	201000						Providing Partitioned
	,						Telecommunication
-			•	\$ (1.5) H	02. hip-98	00-Jun-00	Services
107 TA	87108653	111653	AT&T Wireless	Laiwan	2011.00	 -	Method and Apparatus for
707.107	20000110						Providing Partitioned
••							Telecommunication
				Octobal Charles	26_tim-97		Services
	00/00/00/4		AT&T Wireless	United States	10000		Method and Apparatus for
287.US	00,000,004						Providing Partitioned
				-			Telecommunication
				11-ited Ctotoe	10-1an-02		Services
70 01 100	10/041500		AT&T Wireless	Onlied States			System and Method for
287.05.01	2001						Automatic Registration
				:-			Notification for Over-the-Air
				. :			Activation
	-		AT&T Wireless	Brazil	14-701-37	-	System and Method for
288.BR	9703967						Automatic Registration
							Notification for Over-the-Air
					24. hm-97	20-Mar-01	Activation
	 200000	2208601	AT&T Wireless	Canada	21.00.17		System and Method for
288.CA	7700077						Automatic Registration
				European Patent			Notification for Over-the-Air
				Culobani	15, 1,1,07		Activation
, C	07112096.9		AT&T Wireless	Convention			System and Method for
2007			· .			÷	Automatic Registration
							Notification for Over-the-All
				- Carol	15-Jul-97		Activation
288.IP	188842/1997		AT&T Wireless	Jayan		-	System and Method for
						•	Automatic Registration Notification for Over-the-Air
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288 MX	975088	216890	AT&T Wireless	Mexico	01-201-97		
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<u>o</u>	ethod for jistration Over-the-Air	ethod for gistration Over-the-Alr	lethod for gistration r Over-the-Air	System and Method for Automatic Registration Notification for Over-the-Air Activation	System and Method for Automatic Registration Notification for Over-the-Air Activation	System and Method for Automatic Registration Notification for Over-the-Air Activation	Apparatus Nr of cation	f Apparatus Nr of cation	Apparatus Vir of cation	pparatus for vice fored in a
Title	System and Method for Automatic Registration Notification for Over-the-Air Activation	System and Method for Automatic Registration Notification for Over-the-Air Activation	System and Method for Automatic Registration Notification for Over-the-Air Activation	System and Method for Automatic Registration Notification for Over-the Activation	System and Method for Automatic Registration Notification for Over-the Activation	System and Method for Automatic Registration Notification for Over-the Activation	A Method and Apparatus for Over-the-Air Programming of Telecommunication Services	A Method and Appa for Over-the-Air Programming of Telecommunication Services	A Method and Apparatus for Over-the-Air Programming of Telecommunication Services	Method and Apparatus for Updating Service Information Stored in a Mobile Station
Grant Date		11-Dec-98	13-Feb-01	28-Aug-01				03-Jul-01	23-Jun-04	
Application Date				9	-	94	76	76	26	86
Appli D	. 26-Inf-80	76-Juf-60	15-Jul-96	30-Oct-00	29-Jun-01	16-Mar-04	03-Oct-97	19-Sep-97	07-Oct-97	16-Jan-98
Country Name	Nowas	Taiwan	United States	United States	United States	United States	Brazil	Canada	European Patent Convention	European Patent Convention
Owner	ATRT Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless
Patent		06465	6188809	6282421				2215821	838340	
Application		199/315/ 84109676	0867980	00/702163	00/806/81	40/802403	070687	2215821	97117320.8	3023872.6
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Title	Mobile Communication System and Method for	Receiving Intelligent	Roaming Information	A Method and Apparatus	for Over-the-Alf	Programming of	l elecominum danoi	Services	A Method and Apparatus	for Over-the-Ali	Programming of	Conicos	A Method and Apparatus	for Over-the-Air	Programming of	Telecommunication	Services	A Method and Apparatus	for Over-the-Air	Programming of	Telecommunication	Services	A Method and Apparatus	for Over-the-Air	Programming of	Services	A Method and Apparatus	for Over-the-Air	Programming of	Telecommunication	Services	A Metition and Opportunity	Drogramming of	Telecommunication	Services	Method and Apparatus for	Testing Cellular Services in	a First Location From a	From the First Location	
Grant Date									•			64 6.1	07-Aug-02	• .		·						02-May-00				40 600 00	00-dac-61		· 	· .	24-Sep-02									
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	Owner			AT&T Wireless			. •		AT&I Wireless				AT&T Wireless					AT&T Wireless					AT&T Wireless				AT&T Wireless				A T 0 T 18/10/10/00	Alai wiididaa			· ·	AT&T Wireless				AT&T Wireless
Patent	Number	· .	•											209518				·.					110299				6422503	0142303				6456843	<u> </u>				-			
Application	Number		•	3026871 B	200000				275398/1997					977676					19974517				86114585					2001378				09/213416				370770007	10/214313			,
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Number	Number	Number	Owner	Name	Date	Date	Title
							Method and Apparatus for Testing Cellular Services in
							a First Location From a
							Second Location Remote
296.CA	2218667	2218667	AT&T Wireless	Canada	20-Oct-97	11-Sep-01	From the First Location
							Method and Apparatus for
			•				Testing Cellular Services in
							a First Location From a
- 1				European Patent			Second Location Remote
296.EPC	97117941.1		AT&T Wireless	Convention	16-Oct-97		From the First Location
							Method and Apparatus for
							Testing Cellular Services in
	٠						a First Location From a
oi aoc	0 200243		A TOT 18/1-01-0-0	4000	20 000		Second Location Remote
230.JF	9-260313		Al & Wireless	Japan	Z0-Oct-97		From the First Location
				٠			Method and Apparatus for
							resulting Central Services III
							a First Location From a
							Second Location Remote
296.MX	978010	212232	AT&T Wireless	Mexico	17-Oct-97	18-Dec-02	From the First Location
							Method and Apparatus for
							Testing Cellular Services in
							a First Location From a
				-		<u> </u>	Second Location Remote
296.NO	19974723		AT&T Wireless	Norway	13-Oct-97		From the First Location
			-				Method and Apparatus for
							Testing Cellular Services in
							a First Location From a
							Second Location Remote
296.TW	86115142	103067	AT&T Wireless	Iawan	15-Oct-97	10-Sep-99	From the First Location
						,	Method and Apparatus for
	-						l esting Cellular Services in
							Second Location Remote
	!			Cotol Charles	90 100	22 524 00	From the First 1 ocation
296.US	08/734707	5875398	AT&T Wireless	United States	Z1-Oct-80	23-re0-33	FIGHT THE LESS FOCUSION
							Improved Generation of
297.JP	517588/1998		AT&T Wireless	Japan	29-Sep-97		Encryption Key
				,		70	Improved Generation of
297.TW	86114466	103186	AT&T Wireless	ıawan	03-OCI-97	13-58P-99	Improved Congression of
S0.762	08/731105	5930362	AT&T Wireless	United States	09-Oct-96	27-Jul-99	Encryption Key
14F 90C	06444174	447604	ATET Wirelese	Taiwan	03-Oct-97	23-Anr-02	Mobile Network
230.1W	001144/1	14/031	AIGH WHICHOS				
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Docket	Application	Patent		Name	Date	Date	ani i	
Number	Number	Number	Owner				Geographic Address Translation	
	· .						Mobile Network	
					90	31-Aug-99	Geographic Admess	
	4004604	5946615	AT&T Wireless	United States	08-00-30		Registration of Mobile	
98.US	1801081					23.Sen-03	Packet Data Terminals After Disaster	
. VJ 000	2257423	2257423	AT&T Wireless	Canada	Up-May-97		Registration of Mobile	
CO:65			-	a Para C	06-May-97		After Disaster	
299.CA.D1	2404922		AT&T Wireless	2			Registration of woulder Packet Data Terminals	
			AT&T Wireless	European Patent Convention	06-May-97		After Disaster Registration of Mobile	
299.EPC	97922676.8	-			. !	,	Packet Data Terminals	
. •			AT&T Wireless	Japan	06-May-97		Registration of Mobile	
299.JP	501587/1998			;	06 M2W-07	06-May-97	Packet Data Terminals After Disaster	
XM 995	9810332	204997	AT&T Wireless	Mexico	Oo-May-50		Registration of Mobile Packet Data Terminals	
				Taiwan	14-May-97	16-Aug-99	After Disaster	
299.TW	86106439	102438	AT&T WITELESS				Packet Data Terminals	
			AT&T Wireless	United States	10-Jun-96	05-Dec-00	After Disaster Registration of Mobile	<u> </u>
299.US	1992978	6157633	2000				Packet Data Terminals	
		7607110	AT&T Wireless	United States	09-Apr-99	03-Aug-04	After Disaster Method and Apparatus for	_
299.US.D1	09/289362	97,1034		:			Dynamic Negotiation of	
			AT&T Wireless	Brazil	15-Jan-98		Method and Apparatus for	_
300.BR	9800328-3				00	19-Mar-02	Dynamic Negotiation of Protocols	-
300.CA	2227086	2227086	AT&T Wireless	Canada	15-Jan-90		Method and Apparatus for Dynamic Negotiation of	
		224663	AT&T Wireless	Mexico	19-Jan-98	23-Jul-04	Protocols Method and Apparatus for	
300.MX	980550	2001.77					Dynamic Negotiation of	
ארד ממג	87100792	NI-134707	AT&T Wireless	Taiwan	21-Jan-98	1/-100-/1	Dynamic Protocol	
2001.000	.290885	6125122	AT&T Wireless	United States	21-Jan-97	76-5ep-00]
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Docket	Application	Patent		Country	Application	Grant	
Number	Number	Number	Owner	Name	Date	Date	Title
300.115.01	09/634573	6445716	AT&T Wireless	: Inited States	08.41.5.00	03.500.00	Method and Apparatus for Dynamic Negotiation of
			2000	2000	on for on	70 000 00	Method and Adoaratus for
300.US.C1(1)	-328443		AT&T Wireless	United States	18-Jul-02		Dynamic Negotiation of Protocols
	·						A Method and Apparatus for Message Transmission
301.BR	1426882		AT&T Wireless	Brazil	24-Oct-97		Verification
301.CA	2218211	2218211	AT&T Wireless	Canada	14-Oct-97	06-Feb-01	A Method and Apparatus for Message Transmission Verification
301.EPC	97118527.7		AT&T Wireless	European Patent Convention	24-Oct-97		A Method and Apparatus for Message Transmission Verification
301.JP	9-290726		AT&T Wireless	Jàpan	23-Oct-97		A Method and Apparatus for Message Transmission Verification
301.MX	978066	206521	AT&T Wireless	Mexico	20-Oct-97	08-Feb-02	A Method and Apparatus for Message Transmission Verification
301.NO	19974771		AT&T Wireless	Norway	15-Oct-97		A Method and Apparatus for Message Transmission Verification
301.TW	86115452	108524	AT&T Wireless	Taiwan	20-Oct-97	09-Mar-00	A Method and Apparatus for Message Transmission Verification
301.US	08/740277	5940740	AT&T Wireless	United States	25-Oct-96	17-Aug-99	A Method and Apparatus for Message Transmission Verification
301.US.C1	09/215557	6219542	AT&T Wireless	United States	18-Dec-98	17-Apr-01	A Method and Apparatus for Message Transmission Verification
301.US.C1(1)	09/535340		AT&T Wireless	United States	24-Mar-00		Method and Apparatus for Message Transmission Verification
302.BR	9710456-6		AT&T Wireless	Brazil	24-Jun-97		Method for Categorization of Multiple Providers in a Wireless Communications Service Environment
302.CA	2259238	2259238	AT&T Wireless	Canada	24-Jun-97	25-Mar-03	Method for Categorization of Multiple Providers in a Wireless Communications Service Environment

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Title	Method for Categorization	of Multiple Providers in a	Wireless Communications Service Environment	Method for Categorization	of Multiple Providers in a	Wireless Communications	Service Environment	Method for Categorization	of Multiple Providers in a	Wireless Communications	Service Environment	Method for Categorization	of Multiple Providers in a Wireless Communications	Service Environment	Method for Categorization	of Multiple Providers in a	Wireless Communications	Service Environment	of Multiple Providers in a	Wireless Communications	Service Environment	Method for Categorization	of Multiple Providers in a	Wireless Communications	Service Environment	Method for Categorization	Wireless Communications	Service Environment	Method of Intelligent	Roaming Using Network	Information	Method of Intelligent	Roaming Using Network	Information	Method of intelligent	Roaming Using Network	Method of Intelligent	Roaming Using Network	
Grant Date														11-Mar-99				27-Feb-01			23-Apr-02										30-Mar-04								
Application Date			20	24-Jun-97			74. lim-97	10-1100-47		. `	24-Jun-97			24. hm.97	10-1100-17		-	28-Jun-96		• .	14-lun-99				19-Mar-02			27 600 04	71-0ab-04		12-Jun-98			12-Jun-98			06-100-71	9	12-Jun-90
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	Owner			AT&T Wireless			•	AT&T Wireless	•	•		Al&i Wireless		-;	AT&T Wireless			AT&T Wireless				AT&I Wireless			ATRT Wireless	Algi wilcom		•	AT&T Wireless		ATOT Missions	Al&i Wireless	,-	AT&T Wireless	2000		AT&T Wireless		AT&T Wireless
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AT&T Wireless Taiwan AT&T Wireless United States AT&T Wireless Brazil AT&T Wireless Canada AT&T Wireless Mexico	1e Date 24-Jun-98 30-Jan-98 15-Jan-98 26-Jan-98 23-Mar-98	26-Apr-01 24-Apr-01 16-Sep-03	Method of Intelligent Roaming Using Network Information Method of Intelligent Roaming Using Network Information Method and Apparatus for Serving Cell Code Assignment Serving Cell Code Assignment Serving Cell Code Assignment Serving Cell Code
		26-Apr-00 24-Apr-01 16-Sep-03	Method of Intelligent Roaming Using Network Information Method of Intelligent Roaming Using Network Information Method and Apparatus for Serving Cell Code Assignment Serving Cell Code Assignment Serving Cell Code Assignment
		24-Apr-01 16-Sep-03	Method of Intelligent Roaming Using Network Information Method and Apparatus for Serving Cell Code Assignment Serving Cell Code Assignment Method and Apparatus for Serving Cell Code
	30-Jan-98 15-Jan-98 26-Jan-98 23-Mar-98	16-Sep-03	Method and Apparatus for Serving Cell Code Assignment Method and Apparatus for Serving Cell Code Assignment Method and Apparatus for Serving Cell Code Assignment Method and Apparatus for Serving Cell Code Serving Cell Code
	15-Jan-98 26-Jan-98 23-Mar-98	16-Sep-03	Method and Apparatus for Serving Cell Code Assignment Method and Apparatus for Serving Cell Code Assignment Method and Apparatus for Serving Cell Gode
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	23-Mar-98		Method and Apparatus for Serving Cell Gode
AT&T Wireless Taiwan		29-May-00	Assignment
AT&T Wireless United States	tes 31-Jan-97	07-Nov-00	Method and Apparatus for Serving Cell Gode Assignment
AT&T Wireless Brazil	18-Dec-97		Method of Mutual Authentication for Secure Wireless Service Provision
AT&T Wireless Canada	20-Nov-97	07-Jan-03	Method of Mutual Authentication for Secure Wireless Service Provision
AT&T Wireless Mexico	18-Dec-97	22-Oct-99	Method of Mutual Authentication for Secure Wireless Service Provision
AT&T Wireless Taiwan	22-Dec-97	01-May-00	Method of Mutual Authentication for Secure Wireless Service Provision
AT&T Wireless United States	tes 27-Dec-96	23-Feb-99	Method of Mutual Authentication for Secure Wireless Service Provision
AT&T Wireless Brazil	18-Dec-97		Method for Controlling Channel Re-Selection
AT&T Wireless Canada	20-Nov-97	30-Jul-02	Method for Controlling Channel Re-Selection
AT&T Wireless Mexico	18-Dec-97	30-Nov-00	Method for Controlling Channel Re-Selection
AT&T Wireless Taiwan	18-Dec-97	08-May-01	Method for Controlling Channel Re-Selection
		20-Nov-97 18-Dec-97 18-Dec-97	

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10/206963	Number	Number	Number	Owner	Name	Date	Date	Method for Controlling	
1017-1224			2006934	AT&T Wireless	United States	24-Dec-96	30-Nov-99	Channel Re-Selection	
199266760 6501951 A1&1 Wireless United States 30-Jul-02 C C C C C C C C C		08/7/2829	3983034		United States	07-Mav-99	31-Dec-02	Method for Controlling Channel Re-Selection	
10/205963 AT&T Wireless United States 30-Jul-02 C C C C C C C C C C C C C C C C C C	5	09/306760	6501951	AT&I WIREIESS	Ollifed States			Method for Controlling	
1892840 AT&T Wireless United States 30-Jul-02 Oracle							· ·	Channel Re-Selection From a Selected Control	
Mailed				AT&T Wireless	United States	30-Jul-02		Control Channel	
Mailed	C1(1)	10/206963		Soloilai A	1 Inited States	20-Aug-04		Method for Controlling Channel Re-Selection	
1892840 AT&T Wireless Brazil 18-Dec.97 S	S.C1(2)	mailed		Alai Wireless	COURS COURS			Method and Apparatus for	
1892840 AT&T Wireless Brazil 18-Dec-87 S S								Alerting a Station in One Network of a Requested	
1892840 AT&T Wireless Brazil 18-Dec-97 AT&T Wireless Brazil 18-Dec-97 AT&T Wireless Canada 20-Nov-97 18-Nov-03 S Canada 20-Nov-97 AT&T Wireless Canvention 20-Nov-97 AT&T Wireless Japan 19-Dec-97 AT&T Wireless Japan 19-Dec-97 AT&T Wireless Mexico 18-Dec-97 AT&T Wireless Noway 17-Dec-97 O7-Nov-03 AT&T Wireless Noway AT&T Wireless AT&T Wireless Noway AT&T Wireless AT&T Wireless Noway AT&T Wireless			•		;			Communication From a	
2221654 2221854 AT&T Wireless Canada 20-Nov-97 18-Nov-03 5		1892840		AT&T Wireless	Brazil	18-Dec-97		Method and Apparatus for	
97309352.9 AT&T Wireless Canada 20-Nov-97 18-Nov-03 S Convention 20-Nov-97 Convention 20-Nov-97 S Convention 20-No								Alerting a Station in One	
2221854 2221854 AT&T Wireless Canada 20-Nov-97 18-Nov-03 S								Communication From a	
97309352.9 AT&T Wireless Convention 20-Nov-97 Convention 20-Nov-97 S S S S S S S S S S S S S S S S S S S		2221854	2221854	AT&T Wireless	Canada	20-Nov-97	18-Nov-03	Second Network	
97309352.9 AT&T Wireless Convention 20-Nov-97 Solution 20-Nov-97 Solut	ç	001777						Alerting a Station in One	
97309352.9 AT&T Wireless Convention 20-Nov-97 9-350412 AT&T Wireless Japan 19-Dec-97 9710338 217407 AT&T Wireless Mexico 18-Dec-97 07-Nov-03 19975936 AT&T Wireless Norway 17-Dec-97				·	European Patent	70 min		Communication From a Second Network	
9-350412 AT&T Wireless Japan 19-Dec-97 O7-Nov-03 9710338 217407 AT&T Wireless Mexico 18-Dec-97 07-Nov-03 19975936 AT&T Wireless Norway 17-Dec-97	ည	97309352.9	-	AT&T Wireless	Convention	78-AON-07		Method and Apparatus for	··
9-350412 AT&T Wireless Japan 19-Dec-97 (17-Nov-03) AT&T Wireless Norway 17-Dec-97 (17-Dec-97)								Alerting a Station in One Network of a Requested Communication From a	·
9710338 217407 AT&T Wireless Mexico 18-Dec-97 07-Nov-03 19975936 AT&T Wireless Norway 17-Dec-97	۵	9-350412		AT&T Wireless	Japan	19-Dec-97		Second Network Method and Apparatus for	
9710338 217407 AT&T Wireless Mexico 18-Dec-97 07-Nov-03 19975936 AT&T Wireless Norway 17-Dec-97							*	Alerting a Station in One Network of a Requested Communication From a	
9/10338 21740/ 19975936 AT&T Wireless Norway 17-Dec-97	٠,		247407	AT&T Wireless	Mexico	18-Dec-97	07-Nov-03	Second Network	
19975936 AT&T Wireless Norway 17-Dec-97	×	9710338	217401					Alerting a Station in One	
19975936 AT&T Wireless Norway 17-Dec-97								Network of a Requested Communication From a	
	9	19975936		AT&T Wireless	Norway	17-Dec-97		Second Newdin	٦ .

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			•				Method and Apparatus for	atus for
		<u> </u>					Alerting a Station in One	One
-			-		-		Network of a Requested	ested
312.TW	86119517	104020	ATET Mürologe	Tomina	20 00		Communication From a	. e E
		676401	A G WIEGESS	Idiwan	78-DBC-87	.04-Dec-99	Second Network	
		•					Method and Apparatus for	atus for
							Alerting a Station in One	One
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312118	08/777336	6230000	-				Communication From a	e mo
20.5	00011000	6730008	A I & I WIreless	United States	27-Dec-96	08-May-01	Second Network	
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							Alerting a Station in One	One
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342 I IS C4	70077000	1000		:		-	Communication From a	a mo
0.50.75	09//40181	6459897	AT&T Wireless	United States	18-Dec-00	01-Oct-02	Second Network	
							Method and Apparatus for	atus for
							Alerting a Station in One	One
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312.US.C1(1)	10/241432		AT&T Wireless	United States	12-Sep-02	•	Second Network	
313.BR	1893450		AT&T Wireless	Brazil	18-Dec.97		Method of Wireless	
							Mothed of Minden	IIIOII
313.CA	2221666		AT&T Wireless	Canada	20-Nov-97		Retrieval of Information	
							- Venicyal Of Hijorillo	
313 FPC	07121058 0			European Patent			Method of Wireless	
	91 12 1930.9		A I & I WIFEIESS	Convention	12-Dec-97		Retrieval of Information	tion
313.JP	9-351020		AT9T Miroton		40.00		Method of Wireless	
			Scolal Wileless	Japan	14-080-87		Retrieval of Information	tion
313.MX	9710240		AT&T Wireless	Mexico	17.Dec.07		Method of Wireless	
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313.NO	19975935		AT&T Wireless	Nowav	17.Dec.97		Detrious of Vinciess	
							Method of Wireless	Š
313.TW	86119180	105649	AT&T Wireless	Taiwan	18-Dec-97	17-Dec-99	Retrieval of Information	
						2000	Method of Wireless	
313.US	08/777983	6493430	AT&T Wireless	United States	24-Dec-96	10-00-01	Retrieval of Information	
						-	Method of Wireless	
313.US.R1	10/419098		AT&T Wireless	United States	09-Jun-03		Retrieval of Information	<u>-</u>
							Method and Apparatus for	tus for
			•				Data Network Call	
318.BK	1767500		AT&T Wireless	Brazil	03-Dec-97		Processing	

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Docket	Application	Number	Owner	Name	Date	Cate	Method and Apparatus for	
Number	Number	Nullingi					Data Network Call	
	. •			Canada	10-Nov-97	01-Jan-02	Processing	
, o	2220707	2220707	AT&1 Wireless	2000			Memory and Appearance	
10.01 10.01				European Patent			Processing	
	9 500002.0		AT&T Wireless	Convention	18-NON-71		Method and Apparatus for	
10.ErC							Data Network Call Processing	
718 <u>D</u>	2306751		AT&T Wireless	Japan	05-Uec-97		Method and Apparatus for	
10:01					02-Dec-97	26-Sep-01	Processing	
318.MX	979392	204379	AT&T Wireless	Mexico			Method and Apparatus for	
				SCOR	04-Dec-97		Processing	
318.NO	19975612		AT&T Wireless	NOIWAY			Method and Apparatus for Data Network Call	
			ATET Wireless	Taiwan	03-Dec-97	04-Mar-02	Processing Method and Apparatus for	
318.TW	86118162	143991	Algi Wiciess				Data Network Call	
			00010011417-07-0	1 Inited States	09-Dec-96	12-Sep-00	Processing	
318.US	08/762550	6118778	Ala Wieless				Data Network Call	
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318.US.C1	09/451401	6778527	AIGI WIIGIGSS				Stamping a Message	
							Based on a Recipient	
				Drazil	27-May-98		Location	
332.BR	9801486-2		AT&T Wireless	Diazi			A Method for Time-	
				:			Based on a Recipient	
			ATRT Wireless	Canada	27-Apr-98		Location Method for Time-Stamping	\top
332.CA	2235979			European Patent			a Message Based on a	
			ATRT Wireless	Convention	22-May-98	-	Recipient Location A Method for Time-	Т
332.EPC	98304082.5		5				Stamping a Message	
							Based on a Reciplent	
	٠.		Secient Minde	lapan.	27-May-98		Location Continue Stamping	Τ.
332.JP	10-145288		Alai Wileigas				a Message Based on a	
			AT&T Wireless	Mexico	28-May-98	04-Mar-04	Recipient Location	٦
332.MX	984246	219273						••

Docket Number	Application	Patent		Country	Application	Grant	
	indiana.	Muliper	Owner	мате	Date	Date	Title
							A Method for Time-
							Stamping a Message
332.NO	19982385	316993	AT&T Wireless	Norway	26-May-98	19-Jul-04	based on a Recipient
							Method for Time-Stamping
332.TW	87108312	444046					a Message Based on a
	71000110	111340	A I & I WITEIESS	laiwan	28-May-98	13-Jun-00	Recipient Location
	-						Method for Time-Stamping
332.US	08/868401	6239719	AT&T Wireless	United States	03. hm 07	2	a Message Based on a
				COURCE COURCE	18-III0-00	ro-kew-67	Recipient Location
							Method for Time-Stamping
332.US.C1	09/825894		AT&T Wireless	United States	05-Apr-01		a Message Based on a Recipient I ocation
							Method and System for
					•		Providing Data
333 BB	0806406			;			Communication With a
10.000	8-08-000		AT&T Wireless	Brazil	28-May-98		Mobile Station
	•						Method and System for
							Providing Data
333.CA	2236234	2226724					Communication With a
	10000	7530531	A I & I WIFEIESS	Canada	30-Apr-98	30-Oct-01	Mobile Station
							Method and System for
				•			Providing Data
333.DE	98304081.7	69817086.5	AT&T Wireless	Germany	22-Mav-98	13.410.03	Communication With a
					20 (21)	20-R0-C1	Modile Station
							Method and System for
				European Patent			Providing Data
333.EPC	98304081.7	883313	AT&T Wireless	Convention	22-May-98	13-Aug-03	Mobile Station
		٠					Method and System for
							Providing Data
333 FI	08304084 7	00000		į			Communication With a
	3000000	003313	A I & I WIREIESS	Finland	Z2-May-98	13-Aug-03	Mobile Station
	•	• .					Method and System for
	٠.						Providing Data
333.FR	98304084 7	000010	ATOT MAGAZIA	7			Communication With a
	90004001.6	003313	Al&I Wireless	France	ZZ-May-98	13-Aug-03	Mobile Station
•						<u> </u>	Method and System for
						-	Providing Data
333.GB	98304081.7	883313	AT&T Wirelace	Groot Britain	22 142:: 08	70 7	Communication With a
			Stat Wildias	Great Dilitalii	22-Wdy-90	13-Aug-03	Mobile Station
	,		٠				Method and System for
333.JP	154083/1998		AT&T Wireless	Japan	03-Jun-98		Communication With a
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Docket	Application	Patent		Country	Application Date	Grant Date	Title	
Number	Number	Number	Owner	DIE			Mobile Station	
		•		-			and markets of the state of the	
							Method and System to	
,				•			Communication With a	
					04. hip.08	08-Jan-03	Mobile Station	
333 MX	984353	212436	AT&T Wireless	Mexico	OS-IIIO-IO		Method and System for	•
							Providing Data	
	. ÷ :			,	90	. •	Mobile Station	
333 NO	19982384		AT&T Wireless	Norway	26-May-90		Method and System for	
2000							Providing Data	
•					90 3450	13-Aug-03	Mobile Station	
333 SE	98304081.7	883313	AT&T Wireless	Sweden	22-May-90		Method and System for	
						:	Providing Data Communication With a	
		,.		Toinion	28-Mav-98	17-Apr-01	Mobile Station	
333.TW	87108311	123686	AT&T Wireless	Idiwali	72		Method and System for	
						 ;	Providing Data Communication With a	<u>.:</u>
				Chatter Chates	03-11n-97	21-May-02	Mobile Station	
333.US	08/868350	6393014	AT&T Wireless	United States			Method and System for	
							Providing Data	
·					12. Apr. 02		Mobile Station	
333 US C1	10/120548		AT&T Wireless	United States	12-Mpi-02		Method and System for	
							Providing Data	
				11-it-of Ctotoe	10-Sen-04		Mobile Station	<u> </u>
333.US.C1(1)	mailed		AT&T Wireless	Olinea States			System and Method for	
L		,	AT&T Wireless	Brazil	31-Mar-98		Processing Dropped Calls	_
334.BR	9801221-5				42 642 08	30-05-01	System and Method for Processing Dropped Calls	
334 CA	2231938	2231938	AT&T Wireless	Canada	╌		Custom and Mathod for	
	,			European Patent	18-Mar-98		Processing Dropped Calls	\neg
334.EPC	98302011.6		AT&T Wireless	COLINGIA			System and Method for	
			AT&T Wireless	Japan	09-Apr-98		Processing Dropped Calls	1
334.JP	965707096						System and Method for Dropped Calls	
334.MX	982578		AT&T Wireless	Mexico	02-Apr-98		Riccool	1
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Docket Number	Application Number	Patent Number	Owner	Country Name	Application Date	Grant Date	Title
334.NO	19981596		AT&T Wireless	Norway	07-Apr-98		System and Method for Processing Dropped Calls
334.TW	87105092	111939	AT&T Wireless	Taiwan.	03-Apr-98	13-Jun-00	System and Method for Processing Dropped Calls
336.US	08/902373	6314303	AT&T Wireless	United States	20, [11].07	06 Nov. 01	Apparatus for Providing Enhanced Functionality to
340.US	08/996764	6477376	AT&T Wirelass	United States	23-Doc.07	SO NON SO	Method for Designing Wireless Communications Cell Sites Using Uplink
342.US	08/996486	9950399	ATRT Wireless	Inited States	23-Dec 27	05. And 03	A Method and System for Optimizing Performance of a Mobile Communications
.342.US.C1	10/307668		AT&T Wireless	United States	02-Dec-02		Options A Method and System for Optimizing Performance of a Mobile Communications System
346.US	08/838582	6014559	AT&T Wireless	United States	10-Apr-97	11-Jan-00	Dysten Method and System for Delivering a Voice Mail Notification to a Private Base Station Using Cellular Phone Network
347.US	68999		AT&T Wireless	United States	04-Dec-97		Method and Apparatus for Voice Mail Sharing Between Wired and Wireless Telephones
352.BR	9801756-0		AT&T Wireless	Brazil	02-Jun-98		Method for Locating a Mobile Station Method for Locating a
352.CA 352.MX	2235982 - 984355	2235982	AT&T Wireless AT&T Wireless	Canada Mexico	27-Apr-98 01-Jun-98	29-Jun-04 14-Mar-02	Mobile Station Mobile Station
352.TW	87108313	116657	AT&T Wireless	Taiwan	28-May-98	24-Oct-00	A Method for Locating a Mobile Station
352.US	08/868402	6167274	AT&T Wireless	United States	03-Jun-97	26-Dec-00	Method for Locating a Mobile Station
353.CA	2275186	2275186	AT&T Wireless	Canada	14-Oct-98	16-Dec-03	Customized On-Line User Guide
353.EPC	98953442.5		AT&T Wireless	European Patent Convention	14-Oct-98		Customized On-Line User Guide
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	1998	Number			Date		נומפ
			AT&T Wireless	Japan	09-Apr-98		System and Method for Processing Dropped Calls
			AT&T Wireless	Mexico	02-Apr-98		System and Method for Processing Dropped Calls
	395		AT&T Wireless	Norway	07-Apr-98		System and Method for Processing Dropped Calls
	112.4	-	AT&T Wireless	Sweden	18-Mar-98		System and Method for Processing Dropped Calls
	191	108902	AT&T Wireless	Taiwan	03-Apr-98	27-Mar-00	System and Method for Processing Dropped Calls
365.US 08/838659	629	5995830	AT&T Wireless	United States	09-Apr-97	30-Nov-99	System and Method for Processing Dropped Calls
373.US 1710280	30	6201797	AT&T Wireless	United States	12-Dec-97	13-Mar-01	High Bandwidth Delivery and Internet Access for Airborne Passengers
373.US.R1 10/389010	010		AT&T Wireless	United States	13-Mar-03		High Bandwidth Dellvery and Internet Access for Airborne Passengers
391.US 866601			AT&T Wireless	United States	17-Aug-98		A Method and Apparatus for Determining Billing Rates for Communication Services
392.US 850164		6188897	AT&T Wireless	United States	17-Aug-98	13-Feb-01	Mobile Station Roaming in a Multiple Service Provider Area
392.US.C1 2132166	92	6470182	AT&T Wireless	United States	15-Sep-00	22-0ct-02	Mobile Station Roaming in a Multiple Service Provider Area
394.US 08/997085	085	6704565	AT&T Wireless	United States	23-Dec-97	09-Mar-04	Method and Apparatus for Providing a Hold Termination Message Service in a Communications Network
402.CA 2254393	£	2254393	AT&T Wireless	Canada	24-Nov-98	26-Feb-02	Method and Apparatus for Providing Calling Number Identification Alias in a Communications System
402.DE 98123490.9	6.061	69800769	AT&T Wireless	Germany	14-Dec-98	09-May-01	Method and Apparatus for Providing Calling Number Identification Alias in a Communications System

Application Number Patent Number Country Country Application of Mumber Date (Mumber Application of Application O								
Number	-	Application	Patent	(Country	Application Date	Grant Date	Title
S26910 AT&T Wireless Convention 14-Dec-86 09-May-01 14-Dec-96 09-May-01 18-May-01 18-May-01 18-May-02 14-Dec-97 18-May-03 14-Dec-97 14-Dec-97 18-May-03 14-Dec-97 14		Number	Number	Owner	Name			Method and Apparatus for
926910 AT&T Wireless Convention 14-Dec-98 09-May-01 100 10			. •				DO-May-01	Identification Alias in a
Process		98123490.9	926910	AT&T Wireless	†	4-Dec-96	2 (211.5)	Method and Apparatus for
928910 AT&T Wireless France 14-Dec-98 09-May-01 CO	+-				,			Providing Calling Number Identification Allas in a
926910 AT&T Wireless Great Britain 14-Dec-98 09-May-01 CO		· .·			9000	14-Dec-98	09-May-01	Communications System
14-Dec-96 09-May-01 14-Dec-96 09-May-01 14-Dec-96 09-May-01 14-Dec-96 09-May-01 14-Dec-96 09-May-01 14-Dec-96 09-Dec-03 14-Dec-96 09-Dec-03 14-Dec-96 09-Dec-03 14-Dec-06 09-Dec-03 14-Dec-06 14-Dec-07 14-D	-1	98123490.9	926910	Al&i Wireless	3		· •	Method and Apparatus for
926910 AT&T Wireless Great Britain 14-Dec-98 09-May-01 CC						. •		Identification Alias in a
926910 AT&T Wireless Great Drition 14-Dec-98 31-Jul-02 CC CC CC CC CC CC CC					Cictor Dritain	14-Dec-98	09-May-01	Communications System
209390 AT&T Wireless		98123490.9	926910	AT&T Wireless	Great Diffair	25.252-1		Method and Apparatus for
209390 AT&T Wireless Mexico 14-Dec-98 31-Jul-02 CC CC CC CC CC CC CC	Т			• •				Providing Calling Number
209390 AT&T Wireless Mexico 14-Dec-96 Pho-Proposition Mexico 14-Dec-97 Pho-Proposition Mexico 16-Dec-98 Pho-Proposition Pho-Proposition Mexico 16-Dec-98 Pho-Proposition Pho-Proposit					•	11 000 08	31-Jul-02	Communications System
G662006 AT&T Wireless United States O2-Jul-O2 O9-Dec-03 O		9810631	209390	AT&T Wireless	Mexico	14-Dec-30		Method and Apparatus for
G662006						-	٠.	Identification Alias in a
6662006						00 Ind 00	09-Dec-03	Communications System
AT&T Wireless Canada 10-Dec-98 N N N N N N N N N		10/188521	6662006	AT&T Wireless	United States	U2-301-02		Methods and Systems for
AT&T Wireless Canada 10-Dec-98 N European Patent T-Dec-98 N European Patent T-Dec-98 N AT&T Wireless Convention T-Dec-98 N AT&T Wireless United States 19-Dec-97 N Ges50897 AT&T Wireless United States 21-Nov-01 18-Nov-03 N Ges50897 AT&T Wireless Canada 20-Oct-98 23-Sep-03	1							Managing the Routing of
AT&I Wireless Canada 10-Dec-98 No.						•		Packets Over a Hyond
European Patent T7-Dec-98		!		AT&T Wireless	Canada	10-Dec-98		Methods and Systems for
European Patent 17-Dec-98 Next Vireless Convention 17-Dec-98 Next Vireless Mexico 16-Dec-98 Next Vireless United States 19-Dec-97 AT&T Wireless United States 21-Nov-01 18-Nov-03 Canada 20-Oct-98 23-Sep-03	- 1	2255475		5				Managing the Bouting of
AT&T Wireless Convention 17-Dec-98 No. 10.								Packets Over a Hybrid
AT&T Wireless Convention 17-D6-30 AT&T Wireless Mexico 16-Dec-98 AT&T Wireless United States 14-Dec-97 AT&T Wireless United States 14-Dec-01 AT&T Wireless United States 21-Nov-01 AT&T Wireless Canada 20-Oct-98 23-Sep-03					European Patent	11 000 00		Network
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AT&T Wireless Mexico 16-Dec-98 AT&T Wireless United States 19-Dec-97 AT&T Wireless United States 14-Dec-01 AT&T Wireless United States 21-Nov-01 18-Nov-03 AT&T Wireless Canada 20-Oct-98 23-Sep-03	1	200						Managing the Routing of
AT&T Wireless Mexico 16-Dec-98 AT&T Wireless United States 19-Dec-97 42 AT&T Wireless United States 14-Dec-01 6650897 AT&T Wireless United States 21-Nov-01 18-Nov-03 3 2272056 AT&T Wireless Canada 20-Oct-98 23-Sep-03					- :			Packets Over a nyong
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2272056 AT&T Wireless Calidua	1	550000			6	20-Oct-98	23-Sep-03	for Updating Address Lists
		2272056	2272056	A1&1 WIREIESS	Callaca			- need 1080-

Docket Number	Application Number	Patent Number	Owner	Country	Application Date	Grant	Tiflo
							for a Packet Filter Processor
411.US	08/956990	6158008	AT&T Wireless	United States	23-Oct-97	05-Dec-00	Method and Apparatus for Updating Address Lists for a Packet Filter Processor
412.US	868062	6580914	AT&T Wireless	Inited States	47 6.00		Method and Apparatus for Automatically Providing Location-Based Information Content on a
414.US	09/207370	6427071	AT&T Wireless	United States	08-Dec-98	30-hil-02	Apparatus and Method for Providing Transporting for
416.US	772368	6256735	AT&T Wireless	United States	17-Aug-98	03-Jul-01	Method and Apparatus for Limiting Access to Network Elements
416.US.C1	09/839113	6334188	AT&T Wireless	United States	23-Apr-01	25-Dec-01	Method and Apparatus for Limiting Access to Network Elements
422.US	09/474138		AT&T Wireless	United States	29-Dec-99		System and Method for Integrating Call Delivery for Fixed-Site and Mobility Services
423.EPC	1973089.4		AT&T Wireless	European Patent Convention	18-Sep-01		Method and System for Remote Call Forwarding of Telephone Calls From an IP Connection
423.JP	2002-527188		AT&T Wireless	Japan	18-Mar-03		Method and System for Remote Call Forwarding of Telephone Calls From an IP Connection
423.PCT.CP1	PCT/US01/29029		AT&T Wireless	Patent Cooperation Treaty	18-Sep-01		Method and System for Remote Call Forwarding of Telephone Calls From an IP Connection
423.US	09/010616	6141545	AT&T Wireless	United States	22-Jan-98	31-0ct-00	Method and System for Remote Call Forwarding of Telephone Calls From Cellular Phone
423.US.C1	10/426046		AT&T Wireless	United States	29-Apr-03		Method and System for Remote Call Forwarding of Telephone Calls From Cellular Phone

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Title	Method and System for Remote Call Forwarding of	Telephone Calls From an IP Connection	Method of Notifying a	Wiretess Subscriber as to	Responsibilities	Method of Notifying a	Wireless Subscriber as to	Responsibilities	Aircraft Cabin Telephony	Test Unit Apparatus and Method for	Batch Processing of	Transactions	Method for Providing	Alternative Network-	Associated Service	Registration	Method for Providing	Alternative Network-	Associated Service Address Mobile	Registration	Method and Apparatus for	Authorization	Automatic Diagnostic for	Detection of Interference in Wireless Communication	System	System for Securing	Inbound and Outbound Data Packet Flow in 8	Computer Network	Apparatus and Method for	Optimizing Wireless	rinandai Itaisacuolis
Grant Date		27-May-03			04-Mar-03							09-Feb-99								•					10-Aug-04						25-May-99
Application Date		18. Sep. 00	00-dec-01		19-Mav-99	So towns		10-Oct-02		25-Aug-00		22_Cen_05	55-dac-77	·	-	44_ hip_00	25-line-11	• .		07. Int-04		19-Mav-99	20 (200-2)		10-Aug-01			19-May-99			22-Sep-95
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	Owner		AT&T Wireless			AT&T Wireless			AT&I WIreless	AT&T Wireless			AT&T Wireless				AT&T Wireless	•			AT&T Wireless		AT&T Wireless			Al&I Wireless		ATST Whelese	Aldi Widios		AT&T Wireless
Patent	Number	<u>. </u>	6571094		. •	6529726					,		5870722			-										6775544	. •			-	5907801
Application	Number		2667977		,	09/315087			1371396	09/648947			2152224				252994				10/884986		09/315088			2265114			09/314330	•	2151858
Docket	Number		23.US.CP1			124.US		· · ·	124.US.C1	25 1 IS C4	10:00:67		427.US				428.US				428.US.C1	•	429.US		٠	430.US.C1	•	·	431.US		433.US

Docket	Application	Patent		Country	Application	Grant	
Number	Number	Number	Owner	Name	Date	Date	TIE
							System and Method for the
							Use of Digital Traffic
							Networks for Transmission
437.US	09/479066		AT&T Wireless	United States	07-Jan-00		of R-Data Packets
							System and Method for
							Adjusting the Traffic
439.US	09/489152	6675211	AT&T Wireless	United States	21-Jan-00	06-Jan-04	Carried by a Network
			•				System and Method for
439115 C1	075,472		A T 0 T 14 (14 (14 (14 (14 (14 (14 (14 (14 (14				Adjusting the Traffic
20000	91.041.3		A I & I WIREIESS	United States	03-Dec-03		Carried by a Network
			•				Filtered In-Box for Voice
		-	•				Mail, E-Mail, Pages, Web-
440.US	09/386762	6628194	AT&T Wireless	United States	31-Aug-99	30-Sep-03	Baxes information, and
					2		Filtered In-Box for Voice
							Mail, E-Mail, Pages, Web-
							Based Information, and
440.US.C1	10/644641		AT&T Wireless	United States	19-Aug-03	•	Faxes
							Wireless Adaptor and
77.00							Wireless Financial
442.US.DZ	08/64 / 299	5991410	AT&T Wireless	United States	09-May-96	23-Nov-99	Transaction System
				•			Method and Apparatus for
							Providing Enhanced
443115	00/80343		A T 0 T 14/11	1 Pathol Chatter	10.11.01		Services at a Mobile
440.00	03/00/2012		AI & I WITEIESS	United States	12-Mar-01		Communication Device
							Method and Apparatus for
							Wireless Data Services
444.US	09/427417	6584321	AT&T Wireless	I Inited States	27-Oct-99	24- hm-03	Over a Selected Bearer
				Sound Sound	2000	20000	Mothed and Appendix for
	-					-	Wireless Data Services
					•		Over a Selected Bearer
444.US.C1	-454817		AT&T Wireless	United States	10-Jun-03		Service
	•						System and Method for
0.1							Outbox-Capable Wireless
443.03	2026245		AT&T Wireless	United States	17-Jun-99		Transmission
							Method for Contacting a
446.BR	147314		AT&T Wireless	Brazil	04-Jul-00		Wireless Bearer Services
							Method for Contacting a
446.CA	2313647		ATRT Wireless	Canada	07-hit-00		Subscriber to Multiple
	1		200101111 1510	Carrava	עריוטטי זט		Wildiass Degler Cervices

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Title	Number	Method for Automatically Programming a Wireless Telephone With a Voice Mail System Access	Number Method for Automatically	Programming a Wireless Telephone With a Voice Mail System Access Number	Aircraft Data Communications Services	ior Users	Aircraft Data Services	System and Method for Communication Between Airborne and Ground- Based Entities	Aircraft Data Communications Services for Users	Aircraft Data Services	Method and Apparatus for Data Communication Utilizing the North American Terrestrial System	Method of Apparatus for Use in Forwarding Calls Intended for Roaming Subscriber Units	Floating Intrusion Detection Platforms	Floating Intrusion Detection Platforms	E-Mail Usage Pattern Detection	
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Application Date			29-May-00	02-Jun-99		70-UNC-61	19-Jun-02	14-May-99	19-Jun-01	19-Jun-01	08-Apr-04	30-Dec-99	22-May-01	30-May-00	19-Jul-99	
. Country Name			Taiwan	United States	Patent Cooperation	Ireary	Patent Cooperation Treaty	United States	United States	United States	United States	United States	European Patent Convention	United States	United States	
Owner			AT&T Wireless	AT&T Wireless		AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	
Patent Number			146948	6498930				67E0778							6507866	222
Application Number			89110400	09/324486		PCT/US02/19336	PCT/US02/19337	00/312011	09/884724	09/884730	10/810044	1979/2000	1304403 8	09/580/680	09/356974	000000
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Docket	Application Number	Patent Number	Owner	Country	Application Date	Grant Date	Title
475 IS	09/306761		AT&T Wireless	United States	07-Mav-99		Method for Registering With a Communication Service
47511S C4	10/8an2a8		AT&T Wireless	United States	14-Jul-04		Method for Registering With a Communication Service
481.US	09/615485	6577723	AT&T Wireless	United States	13-Jul-00	10-Jun-03	Application of TCAP Criteria in SCCP Routing
						·	System and Method of Using Local Number Portability (LNP) to Redirect Terminating Calls
483.US	-176167		AT&T Wireless	United States	07-Jun-00		to a Service Node
488.PCT	PCT/US02/21308		AT&T Wireless	Patent Cooperation Treaty	31-Jul-02	,	Attribute Rule Enforcer for a Directory
488.US	588650		AT&T Wireless	United States	01-Aug-01		Attribute Rule Enforcer for a Directory
4000	2463700		AT&T Wireless	Canada	20-Dec-01		Methods and Systems for Communicating and Controlling Facsimile Information
				Patent			Methods and Systems for Communicating and Controlling Earshills
490.PCT	PCT/US01/49729		AT&T Wireless	Treaty	20-Dec-01		Information
80	00/745200		AT&T Wireless	United States	21-Dec-00		Methods and Systems for Communicating and Controlling Facsimile Information
2000 A	bolica Polica		AT&T Wireless	United States	17-Sep-04		Methods and Systems for Communicating and Controlling Facsimile Information
491 AR	10104905		AT&T Wireless	Argentina	18-Oct-01		Method of Sharing Revenue for Transmission of Wireless Data From a Vehicle
494 PCT	DCT# IE01/E03E0		AT&T Wireless	Patent Cooperation Treaty	19-06-01		A Method of Sharing Revenue for Transmission of Wireless Data From a Vehicle
431.701	500000000000000000000000000000000000000		Aldi Wildidas	l near			

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4070	Application	Patent		Country	Application	Grant	Title	
Docker	Application	Nimber	Owner	Name	Date		Method of Sharing	
Number	Number	Samuel					Revenue for Transmission	
							of Wireless Data From a	
			10 T 14 (1-10)	Venezuela 1	18-Oct-01		Sellicie and Method for	
91.VZ	2206-2001		Al&I Wireless				System and memoring	
							Call From a First	
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			•				Telephone to a pesignate	
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			AT&T Wireless	United States	20-Dec-99		Sustain and Method for	
193.US	2578858		אומו אווכוסס				System and memos 15:	
							Radio Link to Directly	
							Comminicate Between	
							Telephones Connected	
							Through a	
							Primary Communications	
				Sototo Printer	20.Dec-99		Network	
311707	2557308		AT&T Wireless	United States	22.22.07		Telematics Services	
484.03	2001007		ļ 				System Using Vehicle	
							Electronics for Memory and	
				United States	16-Oct-00		I/O Functions	
497.US	09/688401		AT&I WIREIESS	2000			Methods and Systems for	
							Using Network Capacing	
			AT9T Mireless	United States	18-Dec-00		To Correct Priorie Displays	
498.US	09/739044		Alai Wildios				Muliple natioset Credit	
			4 T 0 T 18/3/20/2006	United States	28-Nov-00		Assembly Systems for	
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20::02							Audio Distribution Com	
٠		. :		-			Telecommunications	
		•				_	Witho	
			AT&T Wireless	United States	10-May-01		Activation and Remote	
501.US	-266747						Modification of Wireless	
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	· · ·			:	07 Mov.00		Network Context	
	00/707674		AT&T Wireless	United States	20120		A Method for Programming	
503.US	10/0/60						a Mobile Station Using a	
	٠.						Permanent Mobile Station	
				Cototo Latini	01-Nov-00		Identifier	_
504116	09/703858		AT&T Wireless	United States	20 101-10		Method and Apparatus for	
20.100		-			,·		Providing Personal Audio	
		·.		European Patent	03-May-02		Alerting Capable Terminals	<u> </u>
506.EPC	2734147.8		AT&I Wireless					

Docket Number	Application Number	Patent Number	Owner	Country	Application Date	Grant Date	Tite	
506.PCT	PCT/US02/13904		AT&T Wireless	Patent Cooperation Treaty	03-May-02		Method and Apparatus for Providing Personal Audio Alert Messaging for Audio Alerting Capable Terminals	
506.US	09/899956	·	AT&T Wireless	United States	06-Jul-01		Personal Audio Alert Message for Audio Alerting Capable Terminal	· ·
507.US	-577934		AT&T Wireless	United States	31-Jul-01		Method and Apparalus for Providing Interactive Text Messages During a Voice Call	
513.EPC	1111280.2		AT&T Wireless	European Patent Convention	16-May-01		Method and Systems for Managing Customizable Content on Wireless Data Devices	,
513.JP	2001-146263		AT&T Wireless	Japan	16-May-01		Method and Systems for Managing Customizable Content on Wireless Data Devices	
513.US	372427	6603984	AT&T Wireless	United States	14-May-01	05-Aug-03	Methods and Systems for Managing Information on Wireless Data Devices	
517.PCT	PCT/US02/18611		AT&T Wireless	Patent Cooperation Treaty	12-Jun-02	·	Using Wireless Cookles to Deliver Network-Based Location Information	
517.US	09/879351		AT&T Wireless	United States	12-Jun-01	·	Using Wireless Cookies to Deliver Network-Based Location Information	
519.US	09/867989		AT&T Wireless	United States	30-May-01	: •	System and Method of Providing Public Voicemail Service to Private Network Subscribers	
520.AR	10105179		AT&T Wireless	Argentina	05-Nov-01		System and Method for Using a Temporary Electronic Serial Number for Over-the-Air Activation of a Mobile Device	
							System and Method for Using a Temporary Electronic Serial Number for Over-the-Air Activation	
320.BK	Pi0105120-2		AI&I WIREIESS	Drazii	U/-NOV-11		of a Modile Device	_

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Number	Number	Number	Owner	Nalle			System and Method for
							Using a Temporary
							for Over-the-Air Activation
-				-	03-Oct-01		of a Mobile Device
CA	2358175		AT&T Wireless	Callada	2000		System and Method for
							Using a Temporary
							Electronic Senal Number
				European Patent		. •	for Over-the-Alf Activation
			ATRT Wireless	Convention	07-Nov-01		Of a Middle Device
520.EPC	1994191.3		Alai Widigo		-		System and Metrico for
							Using a Terriporary
	·						for Over-the-Air Activation
				,			of a Mobile Device
ב ב	2002,558719		AT&T Wireless	Japan	07-NOV-01		System and Method for
320.JF	21100-3003						Using a Temporary
							Electronic Serial Number
							for Over-the-Air Activation
		:		Movico	01-Nov-01		of a Mobile Device
520 MX	PA/a/2001/011175		AT&T Wireless	MEXICO			System and Method for
							Using a Temporary
				Patent			Electronic Serial Number
				Cooperation			for Over-the-Air Activation
			ATOT Windless	Treaty	07-Nov-01		of a Mobile Device
520.PCT	PCT/US01/47711		Alai wiresa	1001		 	System and Method for
		-					Using a Temporary
				-			Electronic Senal Number
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	0000000	659109R	AT&T Wireless	United States	02-Nov-00	co-inc-on	System and Method for
520.US	08/10/380	2000					Using a Temporary
							Electronic Serial Number
					-		for Over-the-Air Activation
				11-it of Chates	08-Anr-03		of a Mobile Device
52011S C1	10/409770		AT&T Wireless	United States	1		System and Method for
250.020							Using a Temporary
							Electronic Serial Ivalinoel
		-					Tor Over-tile-All Activation
			AT&T Wireless	Venezuela	05-Nov-01		or a Mobile Device
520.VZ	2001-002318		3000	Patent			Using a Wireless Cookle to
				Cooperation			Deliver Mobile-Based
			AT&T Wireless	Treaty	12-Jun-02		Location information
525.PCT	PCT/US02/18612		אומו אווויייי				

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<u>e</u>	iss Cooki -Based nation	ige Point Gateway dard	eway Haverface	eway Haverface	eway Hav	ivering SI ng an SN a Standa	ding to a	Method it-Spam a SMPP	Method rottle Corteway	Method on Controversity May	ay for Mo	ay for Mo ct Messag	ss Using fication	ve Billing
Title	Using a Wireless Cookle to Deliver Mobile-Based Location Information	A Short Message Point-to- Point Protocol Gateway Having a Standard Interface	An SMPP Gateway Having a Standard Interface	An SMPP Galeway Having a Standard Interface	An SMPP Gateway Having a Standard Interface	Method of Delivering Short Messages Using an SMPP Gateway With a Standard Interface	Method of Binding to a SMPP Gateway	A System and Method for Performing Anti-Spam Control Using a SMPP Gateway	A System and Method for Performing Throttle Control in a SMPP Gateway	A System and Method of Performing Flow Control in a SMPP Gateway	Scrolling Display for Mobile Telephone Text Messaging	Scrolling Display for Mobile Telephone Text Messaging	Network Access Using Network Identification	Shared-Revenue Billing System for Transmission of
Grant Date												28-Sep-04		
ition				·									·	
Application Date	12-Jun-01	16-Nov-01	16-Nov-01	16-Nov-01	16-Nov-00	17-Nov-00	17-Nov-00	17-Nov-00	17-Nov-00	16-Nov-00	12-Apr-02	10-Apr-02	02-Oct-01	18-Oct-01
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1987994.9	NUMBER							Wireless Data From a Vehicle	
1987994.9								Apparatus and Method for	
1987/934.9 AT&T Wireless European Patent 19-May-03 Variation 19-May-03 Variation 19-May-03 Variation Varia							*	Monitoring a Wireless	
1987994.9	_ _				European Patent			Device Associated With a	
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CP1 10/885427 AT&T Wireless United States 06-Jul-04 2205-2001 AT&T Wireless Venezuela 18-Oct-01 TT Patent Cooperation Treaty 03-Jul-02 TABT Wireless Treaty 03-Jul-02 TOF/W809963 6570983 AT&T Wireless United States 06-Jul-01 27-May-03								Methods and Systems for	
CP1 10/885427 AT&T Wireless United States 06-Jul-04 2205-2001 AT&T Wireless Venezuela 18-Oct-01 :T Patent Cooperation AT&T Wireless Patent Cooperation Treaty 03-Jul-02 :T AT&T Wireless Treaty 03-Jul-02 :T AT&T Wireless Treaty 03-Jul-02								Monitoring Data	_
CP1 10/885427 AT&T Wireless United States 06-Jul-04 2205-2001 AT&T Wireless Venezuela 18-Oct-01 :T PCT/US02/21073 AT&T Wireless Treaty 03-Jul-02 :T PCT/US02/21073 AT&T Wireless United States 06-Jul-01 27-May-03								Communication of a	
CP1 10/885427 AT&T Wireless United States			_			70 1.1 00		Accordated with a Vehicle	
2205-2001	531.US.CP1	10/885427		AT&T Wireless	United States	00-00-04		Shared-Revenue Billing	т-
2205-2001	•			- -			.*	System for Transmission of	
2205-2001 AT&T Wireless Venezuela 18-Oct-01	•							Wireless Data From a	
Patent Patent Cooperation Cooperation Cooperation Treaty O3-Jul-02 Cooperation Cooperation O3-Jul-02 Cooperation O3-Jul-02 Cooperation O3-Jul-02 Cooperation O3-	17. 400	2000		AT&T Wireless	Venezuela	18-Oct-01		Vehicle	┰
Patent Cooperation Cooperation AT&T Wireless Treaty 03-Jul-02 AT&T Wireless United States 06-Jul-01 27-May-03	331.72	1002-6022						Method and System for	
Patent Cooperation Cooperation Cooperation AT&T Wireless Treaty 03-Jul-02 AT&T Wireless United States 06-Jul-01 27-May-03					.1			Audibly Announcing an	
PCT/US02/21073 AT&T Wireless Treaty 03-Jul-02 09/899963 6570983 AT&T Wireless United States 06-Jul-01 27-May-03					Patent			Indication of an Identity of	
PCT/US02/21073 AT&T Wireless Treaty 03-Jul-02 09/899963 6570983 AT&T Wireless United States 06-Jul-01 27-May-03					Cooperation			a Sender of a	
09/899963 6570983 AT&T Wireless United States 06-Jul-01 27-May-03	£33 DCT	DCT// IS02/04073		AT&T Wireless	Treaty	03-Jul-02	-	Communication	Т
09/899963 6570983 AT&T Wireless United States 06-Jul-01 27-May-03	332.1.01							Method and System for	
09/899963 6570983 AT&T Wireless United States 06-Jul-01 27-May-03	ς.					•		Audibiy Announcing an	
09/899963 6570983 AT&T Wireless United States 06-Jul-01 27-May-03								norcation of an identity of	
09/899963 6570983 A1&1 Wireless United States Gostano Estimption				-	Cotological City	- 10 to 10 t	27.May-03	Comminication	
	532.US	09/899963	6570983	AT&I Wireless	Onlied States	10-00-01	20 (Blat 17		۱.

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Title	Location Information Erase on SIM Cards	Prepaid Phone Service for Both Wired and Wireless Telecommunication Devices	Sharing of Wireless Telephone Services for a Personal Wireless Telephone and a Vehicular Wireless Telephone	Sharing of Wireless Telephone Services for a Personal Wireless Telephone and a Vehicular Wireless Telephone	Intelligent Network Selection Based on Quality of Service and Applications Over Different Wireless Networks	Operations, Administration and Maintenance of Components in a Mobility					
	Location Informon SIM Cards	Prepaid P Both Wire Telecomn Devices	Sharing of Wireless Telephone Services Personal Wireless Telephone and a V	Sharing of Wireles: Telephone Service Personal Wireless Telephone and a V	Intelligent Selection of Service Over Diffe Networks	Operation and Maint Compone					
Grant Date						04-Mar-03					
Application Date	21-Dec-00	19-Dec-01	20-Dec-01	21-Dec-01	21-Dec-01	21-Dec-00	17-Dec-02	03-0ct-01	03-0ct-01	29-Dec-00	15-Nov-01
Country	S	Argentina	Chile	European Patent Convention	Patent Cooperation Treaty	United States	United States	Patent Cooperation Treaty	United States	United States	United States
Owner	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless
Patent Number						6529593					
Application Number	09/742313	10105972	3117-2001	1991484.5	PCT/US01/49803	09/742924	10/322218	PCT/US01/31205	09/971080	09/752487	2414133
Docket Number			535.CL	535.EPC	535.PCT	535.US	535.US.C1	536.PCT	SI SE	SU 953	540.US

					Annication	Grant	
Docket	Application	Patent	200	Name	Date	Date	Title
Number	Number	Number	Owie				Network
					20 -5		Inter-Carrier Sort Text Message Delivery
541 CA	2417028		AT&T Wireless	Canada	22-Jan-03		Inter-Carrier Sort Text
			ATET Wireless	United States	17-Jan-03		Message Delivery
541.US	10/347504		AIGHT WILLIAM	Linited States	19-Dec-01		Quick SMS Reply
542.US	10/024833		AT&I WIREIESS	COUNTRY OF THE PARTY OF THE PAR			Methods and Systems for
							Providing Application Level Presence Information in
			AT&T Wireless	Argentina	20-Nov-01		Wireless Communication
543.AR	10105421		2000				Methods and Systems for Droviding Application Level
							Presence Information in
200	2820-2001		AT&T Wireless	Chile	20-Nov-01		System for Providing
45.CL				European Patent	20-Nov-01		Wireless Communication Presence Information
543.EPC	1997932.7		AT&T Wireless	COLINGIA			Methods and Systems for
				Patent			Providing Application Level Presence Information in
				Cooperation	20-Nov-01		Wireless Communication
543.PCT	PCT/US01/43228		Al&I Wireless	116917		,	Methods and Systems for
,							Presence Information in
			AT&T Wireless	United States	20-Nov-01		Wireless Communication
543.US	1596720		Alai Widida				Electronic Surveillance Via
	40006400	•	AT&T Wireless	United States	27-Feb-02		Correlation of Call Legs
248.US	10000192				·		Correlation of Call Legs in
	10190101		AT&T Wireless	United States	27-Feb-02		Mireless Comminications
549.US	10/083491						System and Method of
						2	Operation for Reducing
, SEO CA	2278535	2278535	AT&T Wireless	Canada	30-Jan-98	31-Dec-02	Wireless Communications
55.55			·.				System and Method of Operation for Reducing
	- !		AT&T Wireless	Convention	30-Jan-98	04-Aug-04	Fraud
550.EPC	98904768.3	956733	2000				Wireless Communications System and Method of
· .			-				Operation for Reducing Fraud
550.JP	2515700		AT&T Wireless	Japan	30-Jan-90	 - -	
				•			

												•
Title	Wireless Communications System and Method of Operation for Reducing Fraud	Wireless Communications System and Method of Operation for Reducing Fraud	Wireless Communications System and Method of Operation for Reducing Fraud	Real-Time Network Analysis and Performance Management	Real-Time Drive Network Analysis and Performance Management	A Method and Apparatus to Manage a Resource	A Method and Apparatus to Store, Access, and Forward Messages	SACCH-Based Fast Power Control for GERAN (GSM Edge Radio Access Network)	Hotline Routing of Pre- Activated GSM Subscribers Using Pseudo MSISDNs	Hotline Routing of Pre- Activated GSM Subscribers Using Pseudo MSISONs	Hotline Routing of Pre- Activated GSM Subscribers Using Pseudo MSISDNs	Hotline Routing of Pre- Activated GSM Subscribers Using Pseudo
-	Wireless Communication System and Method of Operation for Reducing Fraud	Wireless Communication System and Method of Operation for Reducing Fraud	Wireless Communicatio System and Method of Operation for Reducing Fraud	Real-Time Network Analysis and Perfor Management	Real-Time Dr Analysis and Management	A Method and Appar Manage a Resource	A Method and Appa Store, Access, and Forward Messages	SACCH-Based Fast Control for GERAN Edge Radio Access Network)	Hotiline Routing of Pre- Activated GSM Subscribers Using Pse MSISDNs	Hotline Routing of Pre- Activated GSM Subscribers Using Pse MSISDNs	Hotline Routing of Pre- Activated GSM Subscribers Using Pse MSISDNs	Hotline Routing of Pre- Activated GSM Subscribers Using Pse
Grant Date	06-Dec-02	16-May-00	21-May-02									
Application Date	30-Jan-98	31-Jan-97	90-Nov-99	04-Mar-02	04-Mar-02	26-Oct-01	27-Nov-01	. 08-Nov-01	04-Jun-02	18-May-04	04-Jun-02	04-Jun-02
Country	Mexico	United States	United States	Patent Cooperation Treaty	United States	United States	United States	United States	European Patent Convention	Hong Kong	Patent Cooperation Treaty	United States
Owner	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless
Patent Number	211880	6064875	6393283									
Application Number	997060	1288790	09/451589	PCT/US02/06909	10/090265	10/039577	09/995327	60/337892	2734731.9	4103513.8	PCT/US02/18053	10/162304
Docket Number	550.MX	550.US	550.US.C1	553.PCT	553.US	557.US	559.US	562P.US	564.EPC	564.HK	564.PCT	564.US

Docket	Application	Patent	Owner	Country	Application Date	Grant Date	Title	
Number	Mulipa	1901IDN					MSISDNs	
				2000	03.405.02		Methods and Apparatus for Mobile Station Location Estimation	
565.CA	2441764		AIĞI Wireless	China P.R.	03-Apr-02		Methods and Apparatus for Mobile Station Location Estimation	
565.CN 565 EPC	2807712.1		AT&T Wireless	European Patent Convention	03-Apr-02		Methods and Apparatus for Mobile Station Location Estimation	
565.JP	mailed		AT&T Wireless	Japan	03-Apr-02		Methods and Apparatus for Mobile Station Location Estimation	
ses VD	2003.7012902		AT&T Wireless	South Korea	03-Apr-02		Mobile Station Location Estimation	
W. COO	DA/=/2003/000011		AT&T Wireless	Mexico	03-Oct-03		Methods and Apparatus for Mobile Station Location Estimation	•
VM:001	10000000000000000000000000000000000000		AT&T Wireless	Patent Cooperation Treaty	03-Apr-02	4	Methods and Apparatus for Mobile Station Location Estimation	
565.US	10/473926		AT&T Wireless	United States	08-Mar-04		Mobile-Assisted Network Location System (MNLS) Overview	
		er er		Solice Control	7. Dec 91		Mentious and Appalatus for Anonymous User Identification and Content Personalization in Wireless Communication	
566.US	1839637		AT&T Wireless	China P.R.	17-Oct-03		Binding Information for IP Media Flows	
368.EPC	2728813.3		AT&T Wireless	European Patent Convention	16-Apr-02		Binding Information for IP Media Flows	
568.JP	mailed		AT&T Wireless	Japan	17-Oct-03		Media Flows	
100	10101010101		AT&T Wireless	Patent Cooperation Treaty	16-Apr-02		Binding Information for IP Media Flows	
568.US	10/091047		AT&T Wireless	United States	04-Mar-02		Binding Information for IP Media Flows	
							-	

Docket Number	Application Number	Patent Number	Owner	Country Name	Application Date	Grant Date	Title
573.EPC	1111279.4		AT&T Wireless	European Patent Convention	16-May-01		Method and Systems for Searching and Managing Information on Wireless Data Devices
573.JP	2001-146264		AT&T Wireless	Japan	16-May-01		Method and Systems for Searching and Managing Information on Wireless Data Devices
573.US	456433		AT&T Wireless	United States	14-May-01		Method and Systems for Searching and Managing Information on Wireless Data Devices
576.EPC	2773532.3		AT&T Wireless	European Patent Convention	30-Apr-04		Recognition of an Automatic Connection Using Spoken Address Information Received in Voice Mails and Real Time Telephone Conversations
576.PCT	PCT/US02/30124		AT&T Wireless	Patent Cooperation Treaty	19-Sep-02		Recognition of an Automatic Corinection Using Spoken Address Information Received in Voice Mails and Real Time Telephone Coriversations
S76.US	09/972572		AT&T Wireless	United States	03-Oct-01		System and Method for Recognition of and Automatic Connection Using Spoken Address Information Received in Voice Mails and Live Telephone Conversations
577 CA	mailed		AT&T Wireless	Canada	24-Jun-02	·	Method and Apparatus for Providing Power and Wireless Protocol Capability to a Wireless Device, Such as a Wireless Phone
577.PCT1	PCT/US02/20105		AT&T Wireless	Patent Cooperation Treaty	24-Jun-02		Method and Apparatus for Providing Power and Wireless Protocol Capability to a Wireless Device, Such as a Wireless Phone

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Annlication	Patent		Country	Application	Grant	
Number	Number	Owner	Name	Date	Date	Wireless Adapter for Use
Mailing			Patent			With Proprietary Hands-
		÷	Cooperation	20 21		Free Car Kits in Support of Multi-Model Mobile Phones
PCT/US02/20165		AT&T Wireless	Treaty	Z4-JUII-0Z		
			Conneration		,	Bluetooth External Module
	•		Treaty	24-Jun-02		for Car Radio
PCT/US02/20121		A1&1 WIREIESS	Heary		,	Method and Apparatus for
	•					Providing Power and
						Wireless Protocol
			•			Capability to a Wireless
	·				20 70	Device, Such as a Wireless
10/036188	6636749	AT&T Wireless	United States	31-Dec-01	21-Oct-03	Mothed and Apparatus for
10/030100	25000					Providing Power and
						Wireless Protocol
						Canability to a Wireless
				•		Device, Such as a Wireless
			I Inited Ctatos	20-101-03		Phone
10/630646		AT&T Wireless	United States	20.00-67		Wireless Adapter for Use
						With Proprietary Hands-
						Free Car Kits in Support of
		A TOT Mission	1 Inited States	31-Dec-01	٠	Multi-Model Mobile Phones
10/036151		Alai wireless	Compo Compo			Bluetooth External Module
		ATOT Mission	1 Inited States	31-Dec-01		for Car Radio
10/036109		Alai Wireress	2000			System and Method for
						Providing an Automatic
						Response to a Telephone
		ATOT Mirologo	United States	06-May-02		Call
2616507		Section 1914				Method and Apparatus for
00/440403	5541977	AT&T Wireless	United States	12-May-95	30-Jul-96	Preventing Wireless Fraud
20174100						Validation/Registration of
				22 May: 06	19-May-98	Analog Cellular Phones
08/652214	5754952	AT&T Wireless	United States	23-IVIdy-50	20 (01)	A Cellular/PCS Handset
				•		NAM Download Capability
		:				Using a Wide-Area Paging
04406400	04106449 2	AT&T Wireless	China P.R.	15-Jun-94	10-Oct-01	System
34100449.2	31100113:6					A Cellular/PCS Handset
					.,	NAM Download Capability
					70	Osing a Wide-Area raging
6-155408/1994	3035158	AT&T Wireless	Japan	16-Jun-94	16-160-00	System

Docket Number	Application Number	Patent Number	Owner	Country	Application Date	Grant Date	Title
587.KR	10-1994-0011468	363502	AT&T Wireless	South Korea	26-May-94	24-Aug-02	A Cellular/PCS Handset NAM Download Capability Using a Wide-Area Paging System
587.US.C2	08/700135	5722084	AT&T Wireless	United States	20-Aug-96	24-Feb-98	Cellular/PCS Handset NAM Download Capability Using a Wide-Area Paging System
588.CA	2183284	2183284	AT&T Wireless	Canada	14-Aug-96	27-Jul-99	Traffic Information Estimation and Reporting System
588.DE	763807	DE69611274D	AT&T Wireless	Germany	28-Aug-96	20-Dec-00	Traffic Information Estimation and Reporting System
588.EPC	96113768.4	763807	AT&T Wireless	European Patent Convention	28-Aug-96	20-Dec-00	Traffic Information Estimation and Reporting System
588.FR	96113768.4	763807	AT&T Wireless	France	28-Aug-96	20-Dec-00	Traffic Information Estimation and Reporting System
588.GB	96113768.4	763807	AT&T Wireless	Great Britain	28-Aug-96	20-Dec-00	Traffic Information Estimation and Reporting System
588.JP	242430/1996		AT&T Wireless	Japan	13-Sep-96		Traffic Information Estimation and Reporting System
588.MX	963902	199227	AT&T Wireless	Mexico	96-deS-50	24-Oct-00	Traffic Information Estimation and Reporting System
588.US	768685	5732383	AT&T Wireless	United States	14-Sep-95	24-Mar-98	Traffic Information Estimation and Reporting System
589.AU	10091/97	721050 .	AT&T Wireless	Australia	09-Jan-97	05-Oct-00	Pager-Controlled Wireless Radiotelephone
589.CA	2192500	;	AT&T Wireless	Canada	10-Dec-96		Pager-Controlled Wireless Radiotelephone
589.EPC	97100336.3		AT&T Wireless	Convention	10-Jan-97		Pager-Controlled Wireless Radiotelephone
589.JP	2480/1997		AT&T Wireless	Japan	10-Jan-97		Pager-Controlled Wireless Radiotelephone
589.US	08/584417	5737707	AT&T Wireless	United States	11-Jan-96	07-Apr-98	Pager-Controlled Wireless Radiotelephone

r							40.0	
Docket	Application	uo .	Patent	Owner	Country	Application Date	Date	Title
Number	Number		Number	OMIG				Automated Wireless-Call
				activity Teta	Anetralia	09-Jan-97	19-Oct-00	Network
	10092/97		721605	Alai Wildiess				Automated Wireless-Call
	2402642		2102513	AT&T Wireless	Canada	10-Dec-96	05-Dec-00	Network
	2192913		7,77,7		European Patent			Automated Wireless-Call Completion Using a Paging
SO1 EDC	97100337.1			AT&T Wireless	Convention	10-Jan-97		Network
				AT&T Wireless	nece.	10-Jan-97		Automated Wireless-Call Completion Using a Paging Network
	2479/1997				I Inited States	11-Jan-96	01-Sep-98	Automated Wireless-Call Completion Using a Paging Network
	08/584416		28U247U	Algi Wildida			0	Method and Apparatus for Spatial Redundancy in
592.US	2207009		5950134	AT&T Wireless	United States	08-Sep-97	0/-Sep-99	Cellular Including
			0007000	AT8T Wireless	Canada	08-Apr-98	09-Jul-02	Analog-to-Digital Transition: Selecting the Optimal Cellular Radio Mix
593.CA	2234322		2234322	Alga Wasasa	o crist	02_tim-98		Analog-to-Digital Transition: Selecting the Optimal Cellular Radio Mix
593.CN	98109554.2			Ala Wireless	: I			Anatog-to-Digital
503 DF	98302715.2	,	69806856.4	AT&T Wireless	Germany	07-Apr-98	31-Jul-02	Transition: Selecting the Optimal Cellular Radio Mix
				A TOT Wisologo	European Patent	07-Aor-98	31-Jul-02	Analog-to-Digital Transition: Selecting the Optimal Cellular Radio Mix
593.EPC	98302715.2	-	88331/	Algassa Algassa				Analog-to-Digital Transition: Selecting the
593.FR	98302715.2		883317	AT&T Wireless	France	07-Apr-98	30-IUL-12	Analog-to-Digital
	0.471		002247	AT&T Wireless	 Great Britain	07-Apr-98	31-Jul-02	Transition: Selecting the Optimal Cellular Radio Mix
583.GB	96302713.2		11000					Analog-to-Digital Transition: Selecting the
593.JP	10-152363			AT&T Wireless	Japan	05-Jun20		Analog-to-Digital
	08/868403		5060339	AT&T Wireless	United States	03-Jun-97	28-Sep-99	Transition: Selecting the Optimal Cellular Radio Mix
593.05	00/000403		2900000					****

10 10 10 10 10 10 10 10 10 10 10 10 10 1						
Application Number	on Patent r Number	Owner	Country	Application Date	Grant Date	Title
			European Patent			Automatic Cellular Telephone Régistration for
97103159.6	793375	AT&T Wireless	Convention	26-Feb-97	26-Nov-03	Number Service
						Automatic Cellular Telephone Registration for
97103159.6	97103159.6	AT&T Wireless	Great Britain	26-Feb-97	26-Nov-03	Universal Telephone Number Service
						Automatic Cellular
45001/1997		AT&T Wireless	Japan	28-Feb-97		Telephone Registration for Universal Telephone Number Service
						Automatic Cellular
10-1997-0006587		AT&T Wireless	South Korea	28.Feb.07		Telephone Registration for Universal Telephone
				10-00 1-07		Automotic Callular
08/608232	5960340	AT&T Wireless	United States	28.Feb.06	28.00	Automatic Cellular Telephone Registration for Universal Telephone
					200	Wireless Communications
08/862095	6002935	AT&T Wireless	United States	22-Mav-97	14-Dec-00	Cellular Architecture for Improving Communications
					66.00	Wireless Communications
					_	Cellular Architecture for
09/893869		AT&T Wireless	United States	29-Jun-01		Improving Communications Resource Allocation
						Method for Predicting the
00,044,004		. !				Station in a Mobile
00/34 [23]	9052598	AT&T Wireless	United States	30-Sep-97	18-Apr-00	Communications Network
					٠.	Method for Self-Calibration of a Wireless
2204815	2204815	AT&T Wireless	Canada	08-May-97	12-Aug-03	Communication System
• ,	٠.				•	Method for Self-Calibration
2350939		AT&T Wireless	Canada	08-May-07		of a Wireless
						Method for Self-Calibration
2352594	· .	ATRT Mimino	7			of a Wireless
		Aldi vilgidaa	Carrada	no-way-a/		Communication System
1116398.7	-	ATRT Minimizes	European Patent			Wireless Communication System With Adaptive
		AIGH WHENESS	Convention	10-707-01		Channel Allocation

				Country	Application	Grant	i i	
Docket	Application	Patent		Name	Date	Date	integration of the state of the	
Number	Number	Number	Owner	21181			Method for Self-Calibration	
			<u> </u>		24 004.07		Communication System	
	201857/1997		AT&T Wireless	Japan	10.100		Method for Self-Calibration	
וייטייוני אני	23 (23)						of a Wireless	
					10-101-01		Communication System	
20.00	2001-206584		AT&T Wireless	Japan			Method for Self-Calibration	
10.70.78					00 100	29-Oct-02	of a Wireless Communication System	
7 1 16 CD4	08/736871	6473623	AT&T Wireless	United States	25-UCI-90	2000	Method for Self-Calibration	
10.00.78					2000	10-Aug-04	of a Wireless Communication System	
10710 SI 100	1133622	6775549	AT&T Wireless	United States	08-OCI-02	n D	Method for Self-Calibration	
20.00				Sofoto February	30-Dec-98	17-Dec-02	of a Wireless Communication System	
11S.D1	09/222894	6496699	AT&T Wireless	United States			Method and System for	. •
	. •						Telecommunications	
. •				0	12-Mar-98	18-Feb-03	Network	
598 CA	2231928	2231928	AT&T Wireless	Callada			Method and System for	
							Telecommunications	
					90	<u> </u>	Network	
140	08100550 X		AT&T Wireless	China P.K.	05-1107-70		Method and System for	
298.CN	30103030:V					. ·	Providing Access to a	
							Telecommunications	
			ATOTAlizabase	Germany	02-Mar-98	19-May-04	Network	
598.DE	98301494.5	883315	AIQI MEGGSS				Method and System for	
				tacted and			Telecommunications	
		-		European ratem	02-Mar-98	19-May-04	Network	
598 FPC	98301494.5	883315	AT&T Wireless	COLINGINION			Method and System for	
							Telecommunications	
					00 171 00	19-May-04	Network	٠,
9	08201404 5	883315	AT&T Wireless	France	02-Mar-90		Method and System for	_
598.FK	30301434.0						Providing Access to a	
							Telecommunications	
			AT&T Wireless	Great Britain	02-Mar-98	19-May-04	Network	_
598.GB	98301494.5	883315	2000				Method alid System to	
:							Telecommunications	
			ATRT Wireless	India	01-Apr-98		Network	٦.
598.IN	687/MAS/98							
			,					

Docket Number	Application Number	Patent Number	Owner	Country Name	Application Date	Grant Date	Title
Q1 003	100377 07				97 14		Method and System for Providing Access to a Telecommunications
	10701			napan napan	06-Keinie		Method and System for Providing Access to a
598.MX	984354	. :	AT&T Wireless	Mexico	01-Jun-98		Telecommunications
٠							Method and System for Providing Access to a Telecommunications
598.US	08/868407		AT&T Wireless	United States	03-Jun-97		Network
							International Roaming Service for Permitting a Cellular/Wireless
600.BR	0003715-0		AT&T Wireless	Brazil	21-Aug-00	•	Telephone Instrument to Access Different Wireless Telephone Network Systems
4J 009	2215080		ATOTA				International Roaming Service for Permitting a Cellular/Wireless Telephone Instrument to Access Different Wireless Telephone Network
			CCOLORA	p p p p p p p p p p p p p p p p p p p			Systems International Roaming Service for Permitting a Cellular/Wireless Telephone Instrument to
600.EPC	112746.3		AT&T Wireless	European Patent Convention	16-Jun-00		Access Different Wireless Telephone Network Systems
							International Roaming Service for Permitting a Cellular/Wireless Telephone Instrument to Access Different Wireless Telephone New Process
600.JP	2000-254818		AT&T Wireless	Japan	25-Aug-00		Systems
Ç							International Roaming Service for Permitting a Cellular/Wireless
800.009	09/384451	6754490	AI&I Wireless	United States	77-Aug-99	72-Jun-04	l elephone instrument to

					-	1		
Docket	Application	Patent		Country	Application Date	Grant	Title	
Number	Number	Number	Owner	Pillo			Access Different Wireless	
							Systems	
							International Roaming Service for Permitting a	
	_	•					CellularWireless	
							Telephone Instrument to	
							Access Different Wireless	
							Telephone Network	
			ATOTIMisologe	United States	17-Jun-04		Systems Apparatus for	
600.US.C1	mailed		AIGI WIIGIGSS				Method and Apparatus ion	
							Portable Communication	
				Linited Chates	22-Dec-99	13-Nov-01	Device	
602.US	09/469266	6317684	AT&T Wireless	Offited States			Method and Apparatus for	
							Enhanced 911 Location	
					01 122 00	11-Jun-02	Wireless System	
31.000	00/480477	6404388	AT&T Wireless	United States	71-19r-17		Method and Apparatus for	
603.03			,				Enhanced 911 Location	
					CO 7707 FC	08-101-03	Wireless System	
. 10 31 603	10/155380	6590533	AT&T Wireless	United States	24-May-02		Method and Apparatus for	
903.03.01	2000						Enhanced 911 Location	
		<i>:</i>					Wireless System	
		-	AT&T Wireless	United States	06-Jun-03		Intelligent Roadway	
603.US.C1(1)	10/456052					01-110-04	System	
	40,000	6744383	AT&T Wireless	United States	70-00N-C1		Enhanced Communication	
604.US.C1	10(23)233						Service for Predicting and	
	-						Intermotion	
31.300	09/90073		AT&T Wireless	United States	10-101-90			٠.
603:03	0.1000			European Patent	18-Feb-03		Secure Online Purchasing	
606.EPC	3743137.6		Al&i wireiess	Patent				
				Cooperation			Section Online Purchasing	
POG BOT	PCT// IS03/04650		AT&T Wireless	Treaty	18-Feb-03		Secure Online Purchasing	
000.75	40,00000		AT&T Wireless	United States	22-Feb-02			
606.US	10/000300		AT&T Wireless	United States	30-May-02		Secure Online Purchashing	
606.US.CP1	10/160656		Algi Wildigo		,		A Call Queue in a Wireless	
SI1 209	10/017629		AT&T Wireless	United States	13-Dec-01		Device	_
20:100					•			

Docket	Application	Patent		Country	Application	Grant		
Number	Number	Number	Owner	Name	Date	Date	Title	
							Efficient Synchronous and Asynchronous Database	s and
608.US	10/209754		AT&T Wireless	United States	31-Jul-02		Replication	2
				Patent			System and Method for	or
				Cooperation			Scheme for Browser	
609.PCT	PCT/US03/16652		AT&T Wireless	Treaty	23-May-03		Downloads	
							System and Method for	ا او
							Scheme for Browser	
809.US	10/160695		AT&T Wireless	United States	30-May-02		Downloads	
614.US	10/259558		AT&T Wireless	United States	25-Sep-02		Virtual Subscriber Network	twork
618.US	1387467		AT&T Wireless	United States	28-May-04			
619.US	10/690468		AT&T Wireless	United States	20-Oct-03		PIC Freeze	
621.US	10/155917		AT&T Wireless	United States	24-May-02		Biometric Authentication of a Wireless Device User	ion of
				Patent Cooperation			Multi-Standard Dragar	3
622.PCT	PCT/US04/07235		AT&T Wireless	Treaty	09-Mar-04	•	Communication Services	Ces Ces
622.US	-445686		AT&T Wireless	United States	18-Mar-03		Multi-Standard Prepaid Communication Services	ges Ges
				Patent			Prepaid	
625.PCT	PCT/US03/36316		AT&T Wireless	Treaty	12-Nov-03		Telecommunications System	
							Prepaid Telecommunications	
625.US	10/295233		AT&T Wireless	United States	14-Nov-02		System	
628.US	10/840810		AT&T Wireless	United States	07-May-04		System and Method for SMS Text Routing	ō
							Text Abbreviation Methods	thods
630.US	10/282742		AT&T Wireless	United States	28-Oct-02		Systems Using Same	
632.US	10/282909		AT&T Wireless	United States	28-Oct-02		Speech to Message Processing	. :
633.US	malled		AT&T Wireless	United States	19-Feb-03		Interrogate Response Communication (IRC)	
634.US.CP1	10/279170		AT&T Wireless	United States	23-Oct-02		Interactive Education Tool	<u>8</u>
635.US	10/634977		AT&T Wireless	United States	04-Aug-03		Receiver Test System	
636.US	10/253403		AT&T Wireless	United States	23-Sep-02		Cell Planning Methods and Apparatus, and Networks	s and

Docket	Application	Patent		Country	Application	Grant		
Number	Number	Number	Owner	Name	Date	Date	Title	
			,	1-01-0			Location Determining	ining
				ratelit			System for Wireless	ess
				Cooperation			Network and Associated	sociated
655.PCT	PCT/US03/18449		AT&T Wireless	Treaty	10-Jun-03		Method (Friend Finder)	-inder)
		,					System for Providing	ding
							Location-Based Services in	Services in
						÷	a Wireless Network, Such	ork, Such
							as Locating Individuals and	viduals and
655.US	10/324984		AT&T Wireless	United States	20-Dec-02		Coordinating Meetings	etings
	-				٠		System for Providing	ding
							Location-Based Services in	Services in
		-					a Wireless Network, Such	ork, Such
							as Modifying Locating	ating
							Privileges Among	
							Individuals and Managing	Aanaging
							Lists of Individuals	<u></u>
701140					;		Associated with Such	Such
555.UST	10/325566		AT&T Wireless	United States	20-Dec-02		Privileges	
							Apparatus and Systems for	ystems for
							Providing Location-Based	on-Based
							Services Within a Wireless	a Wireless
655.US2	10/325270		AT&T Wireless	United States	20-Dec-02		Network	
		-					Data Structures and	and
							Methods for Location-	ation-
						•	Based Services Within a	Within a
655.US3	10/325032		AT&T Wireless .	United States	20-Dec-02		Wireless Network	x
							Method for Providing	ding
			-				Location-Based Services in	Services in
		٠					a Wireless Network, Such	ork, Such
6551154	10/325322		AT9T Mireless	Thitod Chatoe	20,00		as Varying Levels of	s of
200:00	10/353352		Alai Wildias	OTHER STATES	ZO-08C-0Z		Services	
				Patent				
SEO DOT				Cooperation			Profile Driven Response to	sponse to
120.000	PC1/USUS/33439		A I & I WIREIESS	reary	24-UCI-03		Communication Events	cvents
658 1 IC	10/284854		ATOT 14/1-2-1-2-2	1 Inited Ctator	20 000		Profile Driven Response to	sponse to
000.00	100102/01		ATO WIERSS	Ouned States	20-100-02		Communication Events	Events
665.US	10/617437	•	AT&T Wireless	United States	11-Jul-03		Simplified Wireless Device Pairing	ss Device
				Dotort			System and Method for	od for
		-		Congration			Integrating Local-Area and	-Area and
668.PCT	PCT/US03/33513		AT&T Wireless	Treaty	23-Oct-03		Wide-Area Wireless Networks	888
				7.55	20.000	T	2000	

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				Country	Application	Grant	
Docket	Application	Patent	Current	Name	Date	Date	ann I
Number	Number	Number	OWIE				System and Metrico 10:
							Wide-Area Wireless
				United States	20-Dec-02		Networks Services of the services of the servi
SILIS	-321138		A1&1 WIREIESS	2000			System and Method 101
2000				Patent	•		Atternate Data Paths in a
-,-				Cooperation	50 50		Wireless Network
See PCT	PCT/US03/33593		AT&T Wireless	reary	60-100-02		System and Method for
							Content Delivery Using Alternate Data Paths in a
			1	I Inited Ctates	20-Dec-02		Wireless Network
S0.699	10/324613		AT&T Wireless	Olinea Olares			System and Method for
				Patent			Integrated Wireless
				Cooperation	23.Oct-03		Networks
670.PCT	PCT/US03/33594		AT&T Wireless	reary	20 000		System and Method for
						· -	Integrated Wireless
				Linited Chates	20-Dec-02		Networks
670.US	10/324667		AT&T Wireless	Oillieu Orares			Improved Delivery of
			AT&T Wireless	United States	02-Jan-03		Network Services
679.US	2428042		Algi Wieles				Improved Delivery of
•			AT&T Wireless	United States	02-Jan-03	1	Improved Delivery of
680.US	2428/13			Chaited Chates	n2-1an-03		Network Services
681.US	2578888		AT&T Wireless	Ollifed Orales			Improved Delivery of
			AT&T Wireless	United States	02-Jan-03		Network Services
682.US	2574139		55				
			-		07 Apr 03		Improved Delivery or Network Services
685.US	10/410662		AT&T Wireless	United States	20-10	\ \ \ \ \	Improved Delivery of
			AT&T Wireless	United States	07-Apr-03		Network Services
686.US	10/410663						One Button Access to
				United States	07-Jul-03	-	Remote Control Device
690.US	10/612970		AIĞI WIREIESS	DOWN DOWN		 	Automatic Device
					70000		Configuration to Receive Network Services
691.US	2006188		AT&T Wireless	United States	Solder-CI	-	Identification of SIM Based
691 LIS CP1	10/833412		AT&T Wireless	United States	27-Apr-04		8000

Title	Distributed Profile Storage and Management in a Telecommunication Network	Application of Dynamic Profiles to the Allocation and Configuration of Network Resources	Device and Method for Improved Text Entry on an Alphanumeric Keypad	Highly Bandwidth-Efficient Communications	Priority Messaging Method for a Discrete Multitone Spread Spectrum Communications System	Method of Polling Second Stations for Functional Quality and Maintenance Data in Discrete Multitone Spread Spectrum Communications System	Vertical Adaptive Antenna Array for a Discrete Multitone Spread Spectrum Communications System	Vertical Adaptive Antenna Array for a Discrete Multitone Spread Spectrum Communications System	Vertical Adaptive Antenna Array for a Discrete Mutitione Spread Spectrum				
Grant Date							19-Mar-02		16-Sep-03	12-Nov-02	29-Jul-03	24-Jun-03	24-Aug-04
Application Date	16-Jun-03	16-Jun-03	27-Jun-03	24-Feb-98	24-Feb-98	24-Feb-98	18-Dec-97	03-Aug-01	28-Nov-00	28-Nov-00	05-Aug-98	10-Dec-01	08-May-03
Country	United States	United States	United States	Canada	European Patent Convention	Japan	United States	United States	United States	United States	United States	United States	United States
Owner	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless
Patent Number							6359923		6621851	6480522	9/20099	6584144	6782039
Application Number	1027337	838873	10/609043	2283859	98910043.3	10-536984	08/993721	547744	197842	198207	09/128738	10/017903	10/435304
Docket			696.US	700.CA	700.EPC	700.JP	700.US.C1	700.US.C1D01	700.US.C1D15	700.US.C1D16	 		701.US.C1(5)

Docket Applica Number Numb 701.US.C1(6) mailed 702.CA 2278852 702.EPC 98908475.1	Application Number	Patent	Owner	Country Name	Application Date	Grant Date	Title
mail mail 989	umper			Maille			
		Number					Communications System
							Vertical Adaptive Antenna
			•				Array for a Discrete Multitone Spread Spectrum
			AT&T Wireless	United States	20-Jul-04		Communications System
U							Division Duplex
O		2278852	AT&T Wireless	Canada	03-Feb-98	09-Apr-02	Communications Method for Frequency
	700			European Patent	03-Feb-98		Division Duplex Communications
	9475.1		Aldi Wileless				Method for Frequency
			ATRT Mireless	Japan	03-Feb-98		Communications
702.JP 10-53	10-534899		AIGI WIIGIGSS				Method for Prequency
_		. !	and the state of t	Mexico	03-Feb-98	02-Aug-02	Communications
702.MX 997160	99	209442	Alai wiididaa				Method for Frequency
	• .			States Policil	06-Feb-97	03-Aug-99	Communications
702.US 08/79	08/796584	5933421	Alai wireress	Daniel Daniel			Method for Frequency
				Copola Distriction	10. Apr. 00	06-May-03	Communications
702.US.C1 09/29	09/294174	6260209	AT&T Wireless	United States	Sold La		Method for Frequency
							Division Duplex
			AT&T Wireless	United States	07-Mar-03		Communications Domoto Wireless Init
702.US.C1(1) 10/3	10/383970						Having Reduced Power
			2010/18/19/2	United States	06-Feb-97	04-Jul-00	Operating Mode
703.US 08/7	08/796586	6085114	Alai wiieless	20110			Remote Wireless Unit
					00.000	04-Apr-00	Having Reduced Power Operating Mode
703.US.D1 09/2	09/222895	6047200	AT&T Wireless	United States	20-000		Out of Channel Cyclic
		-				_	Redundancy Code Method
							Spread Spectrum
				-	24-Eah.08	01-Apr-03	Communications System
704.CA 228	2281818	2281818	AT&T Wireless	Canada	20.00		Out of Channel Cyclic
							Redundancy Code Method for a Discrete Multitone
				European Patent	40		Spread Spectrum Communications System
704.EPC 989	98911401.2		AT&T Wireless	Convention	24-1-60-90		

Docket Number	Application	Patent	Š	Country	Application	Grant	
	I A CHILD	Number	Owner	Name	Date	Date	Title
		: •					Out of Channel Cyclic Redundancy Code Method for a Discrete Multitone
704.MX	997730	209008	AT&T Wireless	Mexico	24-Feb-98	17-Jul-02	Spread Spectrum Communications System
705.US	08/803833	5896425	AT&T Wireless	United States	24-Feb-97	20-Apr-99	Non-Uniformly Spaced Tones for Synchronization Waveform
707.US	08/806508	5864543	AT&T Wireless	United States	24-Feb-97	26-Jan-99	Transmit/Receive Compensation
707.US.C1	09/095748	6175555	AT&T Wireless	United States	11-Jun-98	16-Jan-01	Transmit/Receive
							Method for Linearization of RF Transmission Electronics Using
708.US	08/804615	5872814	AT&T Wireless	United States	24-Feb-97	16-Feb-99	Baseband Pre-Distortion in T/R Compensation Pilot Signals
709.US	08/806507	6002664	AT&T Wireless	United States	24-Feb-97	14-Dec-99	Method for Gaining Access to a Shared Medium Which Improves Over the Slotted Aloha Scheme
710.US	08/804614	5889814	AT&T Wireless	United States	24-Feb-97	30-Mar-99	Transmit/Receive Compensation for a Dual FDD/TDD Architecture
711.US	08/803832	5909641	AT&T Wireless	United States	24-Feb-97	01-Jun-99	Transmit/Receive Switch
713.US	08/804616	5923700	AT&T Wireless	United States	24-Feb-97	13-Jul-99	Adaptive Weight Update Method and System for a Discrete Mutitione Spread Spectrum Communications System
713.US.C1	09/999048		AT&T Wireless	United States	15-Nov-01		Adaptive Weight Update Method and System for a Discrete Multitone Spread Spectrum Communications System
713.US.C2	09/299079	6160839	AT&T Wireless	United States	26-Apr-99	12-Dec-00	Adaptive Weight Update Method for a Discrete Mulitione Spread Spectrum Communications System
					-:		

				Country	Application	Grant		
Docket	Application	Faten	, Journal	Name	Date	Date	Title	
Number	Number	Number	Owigi				Adaptive Weight Update	
							Method and System for a	
							Discrete Multitone Spread	
						-	Spectrum Communications	_
		,		United States	31-Oct-00	18-Jun-02	System	
713.US.C2C1	09/699361	6408016	Al & I WITEIESS	2000			Inventory Pipeline	
			4041-1111-1-4	I Inited States	01-Mav-97	16-Mar-99	Management System	
715.US	-646995	5884300	Al&I Wireless	Olimon Olimon			FDD Forward Link	
				-			Beamforming Method for a	
						•	FDD Communications	
			AT&T Mireless	Canada	23-Feb-99	31-Dec-02	System	_
717.CA	2262358	2262358	AIGH WIIGIGSS				FDD Forward Link	
							Beamforming Method for a	
				European Patent			FDD Communications	
			A T 0 T Mirelees	Convention	25-Feb-99	04-Aug-04	System	
717.EPC	99301378.8	940934	AIGH WHICH				FDD Forward Link	
							Beamforming Method for a	_
	•					,	FUU Communications	_
			ATRT Wirelass	United States	05-Mar-98	17-Oct-00	System	_
717.US	09/035286	6134261	AIGI WIIGIGG				Near-Optimal Low-	
							Complexity Decoding of	
							Space-Time Codes for	_
					-		Fixed Wireless	
			A TO T Mireloce	Canada	10-Dec-98	06-Aug-02	Applications	Т
720.CA	2255464	2255464	Al&I Wireless	200100			Near-Optimal Low-	
							Complexity Decoding of	_
					-		Space-Time Codes for	
							Fixed Wireless	
		- !	0.00 0.10 0.00	Cormany	17-Dec-98		Applications	丁
720.DE	69823326.3-08	98124231.6	AIGI WIIGIGSS				Near-Optimal Low-	
	,		•••				Complexity Decoding of	
						_	Space-1 me coues for	
				European Patent	!	70	Applications	
-	00404034 6	038194	AT&T Wireless	Convention	17-Dec-98		Near-Ontimal Low-	Γ
/20.EP.C	90154531.0						Complexity Decoding of	
					<u>. </u>		Space-Time Codes for	
			-	totol .			Fixed Wireless	
				European rateur	47 Dec-08		Applications	_
720 550 01	4009318.9		AT&T Wireless	Convention	06-290-71		Near-Optimal Low-	
120.1.021				•			Complexity Decoding of	
·.		•					Space-Time Codes for	
			-				Fixed Wireless	
		`		France	17-Dec-98	-	Applications	٦
720.FR	98124231.6		AT&I Wireless	rialita				
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	Near-Optimal Low- Complexity Decoding of Space-Time Codes for Fixed Wireless	Near-Optimal Low-Complexity Decoding of Space-Time Codes for Fixed Wireless Applications	Near-Optimal Low- Complexity Decoding of Space-Time Codes for Fixed Wireless Applications	Transmitter Diversity Technique for Wireless Communications	Transmitter Diversity Technique for Wireless Communications	Transmitter Diversity Technique for Wireless Communications	Sender for Wireless Communications	Receiver for Wireless Communications			
Grant			13-Feb-01	22-Oct-02	25-May-04					13-Jun-02	13~Jun-02
Application Date	17.Dec.98	16-Dec-98	21-Apr-98	17-Oct-00	03-Sep-02	/04-May-04	31-Aug-98	31-Aug-98	27-May-03	31-Aug-98	31-Aug-98
Country	Great Britain	Mexico	United States	United States	United States	United States	Canada	Canada	Chile	Germany	Germany
Owner	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless
Patent Number			6188736	6470043	6741635					29824763.1	29824760.7
Application Number	98124231.6	9810841	-610075	09/690542	10/234407	10/838553	2303388	2405875	1060-2003	29824763.1	29824760.7
Docket Number	720.GB	720.MX	720.US	720.US.C1	720.US.C1(1)	720.US.C1(2)	721.CA	721.CA.D1	721.CL	721.DE1	721.DE2

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Title	System for Wireless	Electronic Circuit for a	Receiver for Wireless Communications	Electronic Circuit for a	Sender for Wireless	Transmitter Diversity	Technique for Wireless	Communications Transmitter Diversity	Technique for Wireless	Communications	Transmitter Diversity	Technique for wireless Communications	Transmitter Diversity	Technique for Wireless	Communications	Transmitter Diversity Technique for Wireless	Communications	Transmitter Diversity Technique for Wireless	Communications	Transmitter Diversity	Technique for Wireless	Transmitter Diversity	Technique for Wireless	Communications	Transmitter Diversity	Communications	Transmitter Diversity	Technique for Wireless	Communications Tracemitter Diversity	Technique for Wireless	Communications	Method and Apparatus for	Kemote Om Passivano	
Grant Date	00 11 07	13-3001-02	13lin-02			10-100-01		25-Jun-03		25-Jun-03				5	25-Jun-03		25-Jun-03		10-Dec-03				,		<u> </u>	06-Feb-01		-	10-Aug-04				22-Apr-03	
Application Date		31-Aug-98		31-Aug-30		31-Aug-98		31-Aug-98		31-Aug-98		24 Aug 08	31-Aug-90	;	31-Aug-98		31-4110-98		40-hit-03	20-102-01	. !	24-Feb-04	•	31-Aug-98		07 1/21/-08	So Court 10		05-Dec-00		22-Jun-04		02-Dec-98	
Country	791	Germany		Germany		Germany		Germany	C Dotont	Convention	COIIVEILIGIT	European Patent	Convention		France		nictical tour	0,000		Georgia		Hong Kong		Movico	200	outed by the state of	United States		United States		United States		United States	
	Owner	AT&T Wireless	_ 	AT&T Wireless		AT&T Wireless		AT&T Wireless			AT&T Wireless		AT&T Wireless		AT&T Wireless	AIGI WIIGIGS		AT&I WITEIESS		AT&T Wireless		AT&T Wireless			AIGI WITEIESS		AT&T Wireless		AT&T Wireless		ATOT Mireless	COLONIA MICHAEL	AT&T Wireless	
Patent	Number	29824761.5		29824765.8		29824762.3		90000	0779101		1016228					1016228		1016228		PI3127							6185258		677530	971 3353			6553237	
Application	Number	20824761 5		20824765 B		29824762.3			69815869.5		98944605.9		3010810.4			98944605.9		98944605.9		880968		4404242 E	4101312.3		2573	- :	2479512			2686604		10/873567	2022958	
Docket	Number		/21.UE3		721.DE4	724 DES	+		721.DE6		721,EPC		10, 00, 01	/21.EP.C.D1		721.FR		721.GB		721.GE			721.HK		721.MX		721 US			721.US.C1		721.US.C1(1)	722.US	

Docket	Application	Patent	(Country	Application	Grant		
Number	Number	Number	Owner	Name	Date	Date	Title	
							Method for Synchronous	SUOUO
723.US	2023689		AT&T Wireless	United States	02-Dec-98		Encryption Over a	e i i i
							Method for Estimating	fina
720116		٠.					Changes in Product Life for	ct Life for
123.03	USISS/16/2		AT&T Wireless	United States	25-Apr-00		a Redesigned Product	Juct
							Low Complexity Maximum	aximum
							Likelihood Detection of	on of
	-						Concatenated Space	- es
731.CA	2276207	2276207	- ATRT Wireless	Consdo	90 1-0	4 6 7	Codes for Wireless	•
		221 0201	אוומופאא	Canada	19-CC1-88	18-Feb-03	Applications	
			·				Low Complexity Maximum	aximum
		-					Likelihood Detection of	Ju of
							Concatenated Space	92
731.CA.D1	2411286		AT&T Wireless	Canada	16-Oct-98		Codes for Wireless Applications	
							Low Complexity Maximum	aximum
							Likelihood Detection of	n of
				1.01.0			Concatenated Space	95
731 FPC	98053657 5		A T O T 14/1-1-1-1	European Patent			Codes for Wireless	
	2020004.0		Alal Wireless	Convention	16-Oct-98		Applications	
-		•		•			Low Complexity Maximum	aximum
							Concatonated Space	
!							Codes for Wireless	 8
731.JP	45962		AT&T Wireless	Japan	16-Oct-98		Applications	
		·					Low Complexity Maximum	aximum
					-		Likelihood Detection of	i of
							Concatenated Space	8
731.JP.D1	2003-298814		AT&T Wireless	nenel			Codes for Wireless	
			2000	10000	00-R0V-+1		Applications	Ţ
					-		Low Complexity Maximum i ikelihood Defection of	E STEER
						,	Concatenated Space	 5 8
734 647	00000						Codes for Wireless	
Val.107	990080	216468	AT&T Wireless	Mexico	16-Oct-98	19-Sep-03	Applications	
							Low Complexity Maximum Likelihood Defection of	miximum
					•		Concatenated Space	5 9
							Codes for Wireless	
/SI.MX.DI	PA/a/2003/003469		AT&T Wireless	Mexico	21-Apr-03		Applications	
							Low Complexity Maximum	nxlmum
731.US	09/167422	6501803	AT&T Wireless	United States	06-Oct-98	31-Dec-02	Concatenated Space	5 %

						2000	and the same	
Docket	Application	Patent	C	Country	Application Date	Date	Title	
Number	Number	Number	Owigi				Codes for Wireless	
•							Applications	
1							Likelihood Detection of	
							Concatenated Space	
_					,		Codes for Wireless	
				United States	03-Dec-01		Applications	."
731.US.D1	1167225		Al&i Wireless	חווופת סופונים			Low Complexity Maximum	
		-		-			Likelihood Detection of	
-			-				Concatenated Space	
							Codes for Wireless	
			ATOT Misologe	United States	30-Dec-02		Applications	
731.US.D1C1	1739925		AIGI WIIGIGSS				Method for Combining	
							Communication Beams in	
						00	a Wireless Collinging	
	9900000	6277783	AT&T Wireless	United States	30-Apr-99	23-Apr-02	System	
	09/303200	2011100					Method for Combining	
	•						Communication Beams in	
							a Wireless Communication	
			AT&T Wireless	United States	16-Jan-02		System	
732.US.C1	10/046243						Method for Location-	
733116	-544696		AT&T Wireless	United States	04-Jun-99		Mathod for Location	
	20010						Resed Asset Management	
733.US.C1	mailed		AT&T Wireless	United States	14-26p-04		Method and Apparatus for	
							Vibration and Temperature	
		000000	AT&T Wireless	United States	13-May-99	10-Dec-02	Isolation	
734.US	09/311820	0481320	אומן אווספס				Maximum Ratio	
	99034	6450740	AT&T Wireless	United States	17-Sep-98	01-Oct-02	Transmission	
735.03	09/120/00	040040					Maximum Katio	
725 116 04	10/177461		AT&T Wireless	United States	19-Jun-02		Tansimission	
2							Compensation in an OFDM	
				I taited States	27-Mav-99	27-Aug-02	System With Diversity	
736.US	09/321457	644222	AT&! Wireless	חווופת כומופס	22 (5	,	Method for Error	
		-					Compensation in an OFDM	
;			AT&T Wireless	United States	24~Jun-02		System With Diversity	
736.US.C1	10/176643						Method for Error	
		-					Compensation in an Orlum	
736.US.C1(1)	-642186		AT&T Wireless	United States	21-May-04		System with Credity	_
737 115	00/535365		AT&T Wireless	United States	24-Mar-00			
	200000			-			Method for Improving	-
738.AR	102506	-	AT&T Wireless	Argentina	23-May-00		Efficiency in a Time	¬ `
			<i>"</i> .					

Docket	Application	Datent		Country	Application	Crant	
Number	Number	Number	Owner	Name	Date	Date	Title
							Sharing Network
738.BR	75120		AT&T Wireless	Brazil	.18-May-00		Method for Improving Efficiency in a Time Sharing Network
738.CA	2308963	2308963	AT&T Wireless	Canada	18-May-00	09-Dec-03	Method for Improving Efficiency in a Time Sharing Network
738.EPC	110197.1		AT&T Wireless	European Patent Convention	16-May-00		Method for Improving Efficiency in a Time Sharing Network
738.MX	5014		AT&T Wireless	Mexico	24-May-00		Method for Improving Efficiency in a Time Sharing Network
738.US	09/546794		AT&T Wireless	United States	11-Apr-00		Method for Improving Efficiency in a Time Sharing Network
744.US	-248485	6363127	AT&T Wireless	United States	00-un(-60	26-Mar-02	Automatic Gain Control Methods and Apparatus Suitable for Use in OFDM Receivers
744.US.C1	10/051714	6574292	AT&T Wireless	United States	17-Jan-02	03-Jun-03	Automatic Gain Control Methods and Apparatus Sultable for Use in OFDM Receivers
744.US.C1(1)	10/414576		AT&T Wireless	United States	14-Apr-03		Automatic Gain Control Methods and Apparatus Suitable for Use in OFDM Receivers
745.EPC	1964443.4		AT&T Wireless	European Patent Convention	25-Mar-03		Methods and Apparatus for Use in Reducing Residual Phase Error in OFDM Communication Signals
745.PCT	PCT/US01/26621		AT&T Wireless	Patent Cooperation Treaty	24-Aug-01		Methods and Apparatus for Use in Reducing Residual Phase Error in OFDM Communication Signals
745.US	09/670286		AT&T Wireless	United States	25-Sep-00		Methods and Apparatus for Use in Redicing Residual Phase Error in OFDM Communication Signals
747.AR	10100520		AT&T Wireless	Argentina	05-Feb-01		Detection of Cross- Connection Between a

Country Application Number Patent Number Owner Country Name Application Date Date Number Number AT&T Wireless United States 11-Feb-00 103102 AT&T Wireless Argentina 21-Jun-00 3 103105 AT&T Wireless Argentina 21-Jun-00 11 544822 AT&T Wireless Argentina 21-Jun-00 52 630289 630289 G389067 AT&T Wireless United States 14-Jun-00 53 666082 ATAT Wireless United States 14-Jun-00							41.0	
Number Number Owner National Owner Own	Docket	Application	Patent		Country	Application Date	Grant Date	Title
103105 1	Number	Number	Number	Owner	Name			Wireless Loop Network
103105								and Another Loop Network
103102 AT&T Wireless United States 14-Feb-00 AT&T Wireless AT&T Wi								at a Subscriber's Freninges
103105 11-Feb-00 11-Feb-							•	Detection of Cross-
103102 11-Feb-00 11-Feb-					-			Connection Between a
103105 11-Feb-00 11-Feb-								Wireless Loop Idelwork
103102 AT&T Wireless United States 11-Feb-00 AT&T Wireless United States 11-Feb-00 AT&T Wireless Argentina 21-Jun-00 AT&T Wireless Argentina 21-Jun-00 AT&T Wireless Argentina Arg								and Another Loop Network
103105					I Inited Chates	11-Feb-00		at a Subscriber's Premises
103102 AT&T Wireless Argentina 21-Jun-00 Sylvania 103106 AT&T Wireless Argentina 21-Jun-00 Good Good Good Good Good Good Good Go	31127	09/502655		AT&T Wireless	Offilled States			Apparatus and Method for
103102 AT&T Wireless Argentina 21-Jun-00 OO OO OO OO OO OO OO	41.03	20070000						Synchronization in a
103102 AT&T Wireless Argentina 21-Jun-00 O								Multiple-Carrier
103102 AT&T Wireless Argentina 21-Jun-00 States 14-Jun-00 States 14-Jun-00 States								Communication System by
103102 AT&T Wireless Argentina 21-Jun-00 Syrian								Observing a Plurality of
103102 AT&TWireless Argentina 21-Jun-00 S S S 103106 AT&TWireless Argentina 21-Jun-00 S S S S S S S S S								Synchronization Indicators
103106 AT&T Wireless Argentina 21-Jun-00 G G G G G G G G G G G G G G G G G G		103103		AT&T Wireless	Argentina	71-Jul-00		Apparatus and Method for
103106 AT&I Wireless Argentina 21-Jun-00 O O O O O O O O O O O O O O O O O O	48.AK1	103 105			,			Synchronization in a
103106 AT&T Wireless Argentina 21-Jun-00 G S S S S S S S S S						. •	. •	Multiple-Carrier
103106 AT&I Wireless Argentina 21-Jun-00 G S S S S S S S S S								Communication System by
103106 AT&T Wireless Argentina 21-Jun-00 S S								Observing Energy Within a
103106 AT&T Wireless Argentura 21-Jun-00 S S						24 1:10		Guard Band
103105 AT&T Wireless Argentina 21-Jun-00 B F F F F F F F F F F F F F F F F F F	440 403	103108		AT&T Wireless	Argentina	71-1mr-17		System and Method for
103105 AT&T Wireless Argentina 21-Jun-00 a a AT&T Wireless AT&T Wireless United States 14-Jun-00 B B AT&T Wireless United States 14-Jun-00 B AT&T Wireless United States 14-Ju	140.ANZ	201201						Synchronization in a
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103105 AT&T Wireless Argenting States 14-Jun-00 14-May-02 1 3 666082 AT&T Wireless United States 14-Jun-00					Argenting	21-Jun-00		a Plurality of Pilot Signals
544822 AT&T Wireless United States 14-Jun-00 Sates Sates 14-Jun-00 Sates	748 AR3	103105		AT&T WIREIESS	Algenmia			Apparatus and Method for
544822 AT&T Wireless United States 14-Jun-00 14-May-02 2 630289 6389087 AT&T Wireless United States 14-Jun-00 14-May-02 3 666082 AT&T Wireless United States 14-Jun-00	2007							Synchronization in a
544822 AT&T Wireless United States 14-Jun-00 14-Jun-00 2 630289 6389087 AT&T Wireless United States 14-Jun-00 14-May-02 3 666082 AT&T Wireless United States 14-Jun-00								Multiple-Carrier
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630289 6389087 AT&T Wireless United States 14-Jun-00 14-May-02 1								Observing Energy Within
630289 6389087 AT&T Wireless United States 14-Jun-00 14-May-02 AT&T Wireless United States 14-Jun-00 AT&T Wireless United States 14-Jun-00				-				Guard
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666082 AT&T Wireless United States 14-Jun-00	748.US2	630289	6389087	AIGI WIIEESS				Apparatus and Method Id
666082 AT&T Wireless United States 14-Jun-00								Synchronization in a
666082 AT&T Wireless United States 14-Jun-00							<u>.</u>	Communication System
1 000007				AT&T Wireless	United States	14-Jun-00		
	748.US3	290999				:		

Docket Number	Application Number	Patent Number	Owner	Country	Application Date	Grant	9
				·			Observing a Phase- Frequency Relationship of
							a Plurality of Pitot Signals
					-		Methods and Apparatus for
							Francisco, Simphraciastics
240 AD	70707			-			in an OFDM
LA. 64.	103104		AT&T Wireless	Argentina	21-Jun-00		Communication System
		٠.					Methods and Apparatus for
				Patent			Use in Obtaining
	1			Cooperation			Frequency Synchronization
749.PCT	PCT/US00/40232		AT&T Wireless	Treaty	15-Jun-00		Communication System
							Methods and Apparatus for
							Use in Obtaining
							Frequency Synchronization
749.US	1155142	6768714	AT&T Wireless	United States	14-Jun-00	27_hil_04	in an OFDM
							Marked System
		-				•	Memods and Apparatus for
							Use in Obtaining
	•						Frequency Synchronization
750.US	1156603	6700866	AT&T Wireless	United States	14. hip.00	02-M2r 04	m an Orom
						- INIGI-04	Communication system
							Methods and Apparatus for
				Patent			Use in Obtaining Frame
1				Cooperation			OFFICE COMPUSION OF THE
751.PCT	PCT/US01/15891		AT&T Wireless	Treaty	16-May-01		System
	•						Methods and Apparatus for
	-			. •		•	Use in Obtaining Frame
		-					Synchronization in an
751.US	452050	٠	AT&T Wireless	United States	13-Jun-00		Or DM Communication
							Method and Apparatus for
•							Use in Reducing Traffic
						:	Over a Communication
752.AR1	103100		ATET Mirologo	Argonting	00		Link Used by a Computer
			Sign Wildias	Significant of the second of t	M-nuv-12		Network
				Patent			Reverse Tunneling
				Cooperation	-		Memods and Apparatus for
752.PCT2	PCT/US00/16432		AT&T Wireless	Treaty	14-Jun-00		Use with Private Computer
752.US1.D1	10/120710		AT&T Wireless	Inited States	11 000 00		Methods and Apparatus for
			See Mileses	OIIIIGO OIGIGO	70-104-11		Use in Reducing Traffic

Docket	Application	Patent		Country	Application Date	Grant Date	Title	
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		•					Link Used by a Computer Network	
							Methods and Apparatus for	
							Use in Communicating	
							Voice and High Speed	
				-		٠.	Data in a Wireless	ن ب
•				Archino	21-Jun-00		Communication System	
754 AR	103103		AT&T Wireless				Method and Apparatus for	
1							Use in Communicating	
				Patent			Voice and High Speed	_
		-	•	Cooperation			Data in a Wireless	
			AT&T Wireless	Treaty	15-Jun-00		Methods and Annaratus for	T
754.PCT	PCT/USUU/16/00				-		tise in Communicating	
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754.US	1002105		Al&i Wireless	Dillion Politic			System and Method for	
							Data Scrambling to	
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	100064		AT&T Wireless	Argentina	20-Jun-00		System and Method for	1
755.AK	103004				:		Data Scrambling to	
		. •		Furnham Patent			Reduce the Crest Factor in	
		•		Constantion	00-Jun-00		an OFDM Waveform	7
755.EPC	938236.7		AT&T Wireless	COILAGIMOI			System and Method for	
			,	Patent			Data Scrambling to	 !
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	DCT//1500/15836		AT&T Wireless	Treaty	00-Jnn-60		System and Method for	Γ
/33.PC	20001000101		 	:			Data Scrambling to	
		٠.					Reduce the Crest Factor in	 _
			AT&T Wireless	United States	08-Jun-00	31-Aug-04	an OFDM Waverorm	T
755.US	-627971	07.637.0	5				System and means in	
•	· .		·.		· ·		Reduce the Crest Factor in	<u>ء</u> .
			-	•			an OFDM Waveform	
7551151	malled		AT&T Wireless	United States	30-Aug-04		Design for Scalable	·
22.55				·.			Network Management	
			ATET Wireless	Argentina	15-Jun-00		Systems	
758.AR	102967		Algi Wildigg	2			System and Method for	
					00-pin-00	06-Feb-03	Checking Service Availability	
760.TW	89112312	163403	AT&T Wireless	I aiwan	77-Inc-27		·	
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Docket	Application	Patent	,	Country	Application	Grant		
Number	Number	Number	Owner	Name	Date	Date	Title	
							System and Method for	
760.US	09/572144	6445912	AT&T Wireless	United States	17-May-00	03-Sep-02	Availability	
		-		٠			Intelligent Presentation	
761.US	09/511168		AT&T Wireless	United States	24-Feb-00		Network Management Systems	
-							Session Subscription	Γ
765.BR	0005942-0		AT&T Wireless	Brazil	20-Dec-00	•	System and Method for Same	
,							Session Subscription System and Method for	
/85.CA	2326572		AT&T Wireless	Canada	16-Nov-00		Same	
765.EPC	311492.3		AT&T Wireless	European Patent	20.00-201		Session Subscription System and Method for	
							Session Subscription	
765.MX	12896		AT&T Wireless	Mexico	20-Dec-00	·	System and Method for Same	
							Session Subscription	
765.US	09/474839		AT&T Wireless	United States	30-Dec-99		System and Method for Same	
							Subscription-Based Billing	g
							Methods and Systems for	.b
768.AR	106901		AT&T Wireless	Argentina	22-Dec-00		Pools Pools	_
							Subscription-Based Billing	5
							Methods and Systems for	. გ
768.BR	0006220-0		AT&T Wireless	Brazil	21-Dec-00		Pools Pools	
			-		-		Subscription-Based Billing	g
				European Patent			Methods and Systems for	৳ -
768.EPC	309465.3		AT&T Wireless	Convention	27-Oct-00	,	Pools	
							Subscription-Based Billing	g.
<i>*</i> .					•		Methods and Systems for	
768.MX	12898		AT&T Wireless	Mexico	20-Dec-00		Shared Network Modern Pools	
							Subscription-Based Billing	٥
				٠			Methods and Systems for	8
768.US	09/665780		AT&T Wireless	United States	20-Sep-00		Shared Network Modern Pools	
					÷		Synchronization of	Τ
769.US	10/028573		AT&T Wireless	United States	10-Dec-01		Encryption in a Wireless	
			200000000000000000000000000000000000000		100001		Common Catori System	7

Application	Patent		Country	Annlication	Grant		
				Application	,		
	Nimbor	Owner	Name	Date	Date	2011	
Number						Data Link Layer Tunneling Tachaine for High Speed	
						Data in a Noisy Wireless	
		<u> </u>	1 Inited Ctates	24-Oct-00	24-Feb-04	Environment	
09/694943	6697983	AT&T Wireless	†	25 555 17		Data Link Layer Tunneling	
						Technique for High Speed	
					· .	Data in a Noisy Wireless	
-			United States	28-Jan-04		Environment	
10/767246		Al&i Wireless	Olilled States			Medium Access Dynamic	
		-				Congestion Control	
						Mechanism for Wireless	
•		A TO T LANSON	United States	21-Dec-00	20-Jul-04	Data	
09/745216	6765869	Alai Wireless	200000000000000000000000000000000000000			Medium Access Dynamic	
						Congestion Control	
			:		_ ,	Mechanism for Wirefess	
		ATPT Wireless	United States	21-Dec-00	20-Jul-04	Data	
09/745219	6765870	Alal Wildias				Collision-Free Multiple	
						Access Reservation	
			Furopean Patent			Scheme for Multi-Tone	
1		ATSTAMInabase	Convention	11-Dec-00		Modulation Links	. '
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	-					Access Reservation	
	e e	-				Scheme for Multi-Tone	
		AT&T Wireless	United States	18-Jul-00		Modulation Links	
09/618653						Method and Apparatus for	
	-					Efficient Sharing of	
				,		Communication system	_
		AT&T Wireless	United States	28-Nov-00		Resources	_ -
779277						Method and Apparatus for	
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PCT/US01/03854		Alai Wireiess	Heav			System and Method for	
	•	•	3 · ·			Providing Service Provider	• •
						Choice Over a High-Speed	
10/036315		AT&T Wireless	United States	26-Dec-01		Data Connection	Ť
10103358		AT&T Wireless	Argentina	13-Jul-01		Adaptive Unal-Polarization	٦.
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Docket Number	Application Number	Patent Number	Owner	Country	Application	Grant		
						Date	Communication of Orthogonal Frequency	
782.PCT	PCT/US01/18993		AT&T Wireless	Patent Cooperation Treaty	13-Jun-01		Division Multiplexed Signal Multicarrier Transmission	ie c
782.US1	09/616128		AT&T Wireless	United States	14-14-00		Adaptive Dual-Polarization Communication of Orthogonal Frequency Division Multiplexed	uoj
784.US	2665785		AT&T Wireless	United States	28-Feb-01		Transmit Power Control for an OFDM-Based Wireless Communication System	l for
786.US	09/879350		AT&T Wireless	United States	12-Jun-01		Method for Shared Network Modem Dialup Intranet Access Over a Wireless Network Using	
787.US	09/874570		AT&T Wireless	United States	05-Jun-01		Method of Determining RF Coverage Area in a Point- to-Multipoint Transmission	유는
789.AR	10102824		AT&T Wireless	Argentina	13- lm-01		Method for Providing Transparent Public Addressed Networks	
789.MY	P120012764		AT&T Wireless	Malaysia	13-Jun-01		Within Private Networks Method for Providing Transparent Public Addressed Networks Within Private Networks	
789.TW	90113964		AT&T Wireless	Taiwan	18-Oct-01		Method for Providing Transparent Public Addressed Networks Within Private Notworks	
789.US	722695	•	AT&T Wireless	United States	28-Nov-00		Method for Providing Transparent Public Addressed Networks	Ţ
792.US	09/900779		AT&T Wireless	United States	06-Jul-01		Method for Estimating Changes in Product Life Resulting From HALT Using Exponential	

Docket Application Patent Country Application Grant Title 193US 06900777 Number ATAT Wireless United States 06-Jul-01 Long Child Character Editination 193US 06900777 ATAT Wireless United States 11-Jun-01 Acceleration/Model 193US 06900777 ATAT Wireless United States 11-Jun-01 Tun-01 (Child States) 194US 06900777 ATAT Wireless United States 11-Jun-01 Acceleration/Model 194US 06900777 ATAT Wireless United States 24-Jul-03 Spalents 198US 100027102 ATAT Wireless United States 24-Jul-03 Spalents 198US 46236 ATAT Wireless United States 24-Jul-03 Spalents 198US 46238 ATAT Wireless United States 22-Jul-02 Method Access 198US 46238 ATAT Wireless United States 22-Jul-02 Spalents 198US 46238 101146160 ATAT Wireless <t< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></t<>								
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100627192 AT&T Wireless United States 11-Jun-01 United States United States 24-Jul-03 United States								Changes in Product Life
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10627192			_	ATET Wireless		06-Jul-01		Acceleration Model
101627192	793.US	09/900777		Aldi Wildiggs				Turbo Channel Estimation
10/627192	÷			A TOT IAIICING	United States	11-Jun-01		for OFDM Systems
10/627192	794.US	09/878555		A I & I WITEIESS	2011100			System and Method of
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60/399042	798.US	10/627192						System and intellige of
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Mailed AT&T Wireless Convention 19-May-04 19-May-04 17 17 17 17 17 17 18 18	798P.US	50/399042			European Patent			Method for Synchronization
Mailed AT&T Wireless United States 22-Oct-01 No. 10 No				AT9T \A/lroloce	Convention	19-May-04		of Received Signals
4628	802.EPC	mailed		AIGH WHENESS				Time Synchronization
4628								Method for Method OFUM
4628			:	ATOT Mireless	United States	22-Oct-01		Signal
Patent Patent Cooperation Cooperation Cooperation Cooperation Doctor	802.US	4628		AIGI WIEESS	2000			A Real-Time Rate Control
PCT/US03/08721			<u>:</u>		Patent			Mechanism for Multi-Rate
PCT/US03/08721 AT&T Wireless Treaty 21-Mar-03 Y 10/116160 AT&T Wireless United States 05-Apr-02 Y -374098 AT&T Wireless United States 24-Apr-02 Y Cooperation Cooperation 30-Apr-02 Y Treaty 30-Apr-02 Y AT&T Wireless Treaty Treaty Treaty					Cooperation			Data Transmissions in
PCT/US03/08721 AT&T Wireless United States 05-Apr-02 -374098 AT&T Wireless United States 24-Apr-02 Cooperation Solution 30-Apr-02 Treaty Treaty				AT&T Mirelese	Treaty	21-Mar-03		Wireless Networks
10/116160 AT&T Wireless United States 24-Apr-02 AT&T Wireless United States 24-Apr-02 Cooperation AT&T Wireless Treaty 30-Apr-02 Treaty	816.PCT	PCT/US03/08721		Section And Property				A Real-Lime Kate Control
10/116160 AT&T Wireless United States 05-Apr-02 States 10/116160 AT&T Wireless United States 24-Apr-02 Cooperation AT&T Wireless Treaty 30-Apr-02								Data Transmissions in
10/116160 10/116160 -374098 -374098 AT&T Wireless United States 24-Apr-02 Cooperation Cooperation AT&T Wireless Treaty AT&T Wireless Treaty				·		OF April 02		Wireless Networks
-374098 AT&T Wireless United States 24-Apr-02 Patent Cooperation 30-Apr-02 AT&T Wireless Treaty 30-Apr-02	016115	10/116160	:	AT&T Wireless	United States	20-idu-co		System and Method for
-374098 AT&T Wireless United States 24-Apr-02 Patent Cooperation 30-Apr-02 AT&T Wireless Treaty 30-Apr-02	010.03	2010						Channel Assignment With
-374098 AT&T Wireless United States 24-Apr-02 Patent Cooperation 30-Apr-02 AT&T Wireless Treaty 30-Apr-02								Adaptive Modulation in
-374098 Ornted States Carping Patent Cooperation 30-Apr-02 Treaty					1 Inited Chator	24. Apr02		Wireless Communications
Patent Cooperation Cooperation AT&T Wireless Treaty	81715	-374098		AT&T Wireless	Onlied States	20-10-10-		Multi-Service Network
Cooperation Cooperation AT&T Wireless Treaty							:	Interface Apparatus for
Cooperation Cooperation 30-Apr-02			•		Patent		:	Frequency-Division
AT&T Wireless Treaty 30-Apr-02			٠.		Cooperation			Multiplexed
		03FC41CAC1 #FOC		AT&T Wireless	Treaty	30-Apr-02		Communications Systems

Docket	Application	Patent		Country	Application	Grant	
		MUIDE	Owner	маше	Date	Date	Title
	-						Multi-Service Network
		•					Interface Apparatus for
							Frequency-Division
819.US.D1	09/879358	6687374	AT&T Wireless	United States	12. Jun-01	03-Eab 04	Muluplexed
						10.00	Communications systems
			• .				Prepaid Calling 11me
		-					Processing: A Method and
							Apparatus for Processing
							Pre-Paid Calling Time in a
852.US	09/578031	6707894	AT&T Wirelese	I Inited States	24 142 00		Telephone Communication
			200	Ollica Sigles	Z4-May-UU	16-Mar-04	System
							Prepaid Calling Time
		-			-		Processing: A Method and
		_					Apparatus for Processing
							Pre-Paid Calling Time in a
852.US.C1	10/751672		A TO T 14/1-1-1-2-2				Telephone Communication
			AIGI WIIEIESS	United States	05-Jan-04		System
853.US	10/615892		ATET Mirologo	Links Chair			Network Protocol
			A I GET VVII GEGGS	Sales Dallin	07-201-03		Converter
							Integration of Wireless and
854.US	1964915		AT&T Wirelese	I faited Chates	20		External Computing
			2000	חוונפת פופופס	13-380-03		Devices
							HTTP-Based Application
856.US	10/773555		AT&T Wireless	United States	05.Eeb.04	•	Fingerprinting by HTTP
				Cinco Otalos	- CO-LEG-CO		Proxy
857.US	1971125						Terminal Device IP
			A I & I WITEIESS	United States	15-Sep-03		Address Authentication
862.US	10/685616		ATP T Mirologo	Leitod Challel			Location Announcement
			200000000000000000000000000000000000000	Ciliter States	14-Oct-03		for Mobile Devices
							Method, System and
							Apparatus for Providing
863P.US	60/520073		AT&T Wireless	I Initad Chatas	16 1503		Wireless Identification to
			2000	Cilitad States	13-1404-03		Standard Telephone
							Providing Location
							Information for Wireless
874.US	10/685614		AT&T Wireless	United States	14.04.03		Devices Using Name
				Cimico Cidido			Service
					-		Distributed Handling of
879P.US	60/543952		AT&T Wireless	United States	11-Fah-04		Information Directed to a
					5		Wireless Device
							Metrico and Apparatus for
880.US	10/776507		AT&T Wireless	United States	12-Feb-04		Service Through Multiple
							מולחוסונו וואסאווו מיוויסס

Docket	Application	Patent		Country	Application Date	Grant Date	Title
Number	Number	Number	Owner	Naile			Carrier IP Networks
							System and Method for
							Telecommunications
				Haited States	25-Mar-04		Network
883P.US	60/557153		AT&I Wireless	Olliffed Created			Terminal-Based Server for
	•	·	AT&T Wireless	United States	24-Sep-04		Location Tracking
886.US	mailed		Algi Wildios				Sharing Content on Moune
		-	AT&T Wireless	United States	09-Apr-04		Devices
887.US	10/821608						System and Method for
•		:	,	October 1	20.Mav.04		User Location Information
888.US	mailed		AT&T Wireless	United States	to (Blat-07		Spam Control for Share
		•	ATET Mireless	United States	09-Apr-04		Page in Wireless World
889.US	10/822187		2000				Identifying A Device to a
			AT&T Wireless	United States	22-Jan-04		Network Contact for Droviding
894.US	10//03802						System for Fronting Location-Based Services in
							a Wireless Network, Such
	÷						as Locating Sets of
	,		ATRT Wirelass	United States	15-Apr-04		Desired Locations
895P.US	60/562785		Algi Wildigs				Personal Base Station with
			AT&T Wireless	United States	14-Nov-03		Wireless Video Capability
896P.US	60/519947		Section 1810				Managing Differences in
							Sharing Content on Mobile
				I Inited States	09-Apr-04		Devices
897.US	10/821325		AIGI WITERESS	2000			Call Handling Scheme to
2118	10/867957		AT&T Wireless	United States	14-Jun-04		Call Handling Scheme to
20.006				1 Inited States	27-Jan-04		Reduce Roaming Charges
906P.US	60/539780		AT&I Wireless	Ollico Orano			Method and System for
	;	:					Controlling the Operation of Movahle Wireless
					70 07		Networks
21.800	mailed	:	AT&T Wireless	United States	13-2ep-04	1	Method and System for
20000				<i>:</i>			Controlling the Operation
							of Movable Wireless
908P.US	60/549920		AT&T Wireless	United States	05-Mar-04		Customized Signature
	01010000		AT&T Wireless	United States	30-Jun-04		Message Service
915.US	10/0010/2						

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Number	Number	Number	Owner	Name	Application Date	Grant Date	Title
921P.US	mailed		AT&T Wireless	United States	19-Aug-04		Testing for Mobile Device Locator Systems, Such as for E911 Phase II
922.US	malled		AT&T Wireless	United States	13-Aug-04		Wireless Device Service Activation from a Wireless Device
925.US	mailed		AT&T Wireless	United States	14-Sep-04		Selection of Bearer Mode According to Message Characteristics
926.US	mailed		AT&T Wireless	United States	14-Sep-04		Maintaining Instant Message Session Status in Dynamic Operating Environments
927P.US	60/588307		AT&T Wireless	United States	15-Jul-04		Using Emoticons, Such as for Wireless Devices
928P.US	60/588110		AT&T Wireless	United States	15-Jul-04		Help Buddy for Instant Messaging on a Wireless Device
929.US	mailed		AT&T Wireless	United States	. 03-Sep-04		System and Method for Data Organization and Display in an instant- Messaging Interface
930.US	mailed		AT&T Wireless	United States	14-Sep-04		Dedicated Wireless Device Business Method
930P.US	60/590185		AT&T Wireless	United States	21-Jul-04		Dedicated Wireless Device Business Model
931.US	mailed		AT&T Wireless	United States	10-Sep-04		Always On Mobile IM / Messaging Centric Wireless Device
931P.US	60/590229		AT&T Wireless	United States	21-Jul-04		Always On Mobile IM / Messaging Centric Wireless Device
936.US	malled		AT&T Wireless/IXI Mobile	United States	20-Sep-04		Mobile Communications Device
237.CA	2231255		AT&T Wireless/Atmel Corp.	Canada	30-Aug-96		Wireless Corhmunication System Having Mobile Stations Establish a Communication Link Through the Base Station

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Poskot	Application	Patent		Country	Application	Grant	Ţ.	
Number	Number	Number	Owner	Name	Date	Dale		
			AT&T Wireless/Atmel	Canada	30-Aug-96		Wireless Communication System	<u>د</u>
237.CA.D1	2321957		AT&T Wireless/Atmel	an Patent	30-Aug-96		Wireless Communication System	5
237.EPC	96946386.8		Corp.				•••••	
			AT&T Wireless/Atmel	Japan	30-Aug-96		Wireless Communication System	8
237.JP	354166	907708	AT&T Wireless/Atmel	Mexico	30-Aug-96	15-Jun-01	Wireless Communication System	ē
237.MX	981827	074707	AT&T Wireless/Atmel	United States	08-Sep-95	08-Jun-99	Wireless Communication System	lou
237.US	-44345	5911120	AT&T Wireless/Atmel	United States	04-Nov-98	11-May-04	Cordless Cellular System	tem:
237.US.D1	09/185859	6735432	dalp.				Mobile Telecommunication Device and Method Used	Sation
							for Changing Wireless	s
			AT&T Wireless/Atmel	Canada	30-Aug-96	30-Jul-02	Base Stations of Different Kinds	erent
238.CA	2231370	2231370	Cop.	Callada	9		Mobile Telecommunication	Cation
		·.					for Changing Wireless	
·			AT&T Wireless/Atmel		30-Aug-96	 16-Jan-02	Base Stations of Different Kinds (PBS #3)	erent
238.DE	96940621.4	69618604.7	Com.	Germany	B		Mobile Telecommunication	ication
							for Changing Wireless	SS
			AT&T Mireless/Atmel	European Patent			Base Stations of Different	reent Ferent
238 EPC	96940621.4	848888	Corp.	Convention	30-Aug-96	16-Jan-02	Kinds Mobile Telecommunication	ication
				• •			Device and Method Used	Used
	· ·		AT&T			••	Communication Between	ween
238 50	969406214	84888	Wireless/Atmel Corp.	France	30-Aug-96	16-Jan-02	Kinds (PBS #3)	
430.Th	2000000				••			

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Number	Application	Patent Number	Owner	Country Name	Application Date	Grant Date	Title
	-						Mobile Telecommunication
							for Changing Wireless
			AT&T				Communication Between
238.GB	96940621.4	84888	Wireless/Atmel	10110	30		Base Stations of Different
		040000	Corp.	Great Britain	30-Aug-96	16-Jan-02	Kinds (PBS #3)
			Wireless/Atmet				A Mobile
238.JP	9-511293		Сор.	Japan	30-Aug-96	,	Telecommunicating Device
					D.		arid Method of Operation
							Device and Method Used
			TOTA				for Changing Wireless
			Wireless/Atmel				Communication Between
238.MX	981819	202427	Согр.	Mexico	30-Aug-96	15-Jun-01	Base Stations of Different Kinds
							Mobile Telecommunication
							Device and Method Used
	•		AT&T				for Changing Wireless
238116	000		Wireless/Atmel				Rase Stations of Different
200:00	08090-	5732360	Corp.	United States	08-Sep-95	24-Mar-98	Kinds (PBS #3)
		-			,		Centralized
, t			AT&T	European Patent			Charales Mathods Network
340.EPC	3739732		Wireless/Nortel	Convention	11-Feb-03		Apparatus
				Patent			Centralized
			AT&T	Cooperation			Communications Network
546.PCT	PCT/US03/04036		Wireless/Nortel	Treaty	11-Feb-03		Apparatus Apparatus
							Centralized
			AT&T				Communications Network
546.US	10/365116		Wireless/Nortel	United States	11-Feb-03		Charging Method and Apparatus
•			707V				Telecommunications
546P1.US	60/356570		Window Winds	I latted Otates			Network Centralized
	2 1000000		vireless/Noriel	United States	11-Feb-02		Charging System Topology
546P2.US	60/356578		AT&T	S Posici	20 17.	·	Payment Methods and
			The second secon	Oilligo Oigigs	11-180-02		Apparatus
							Method for Implementing
456.US	09/406278		AT&T/AT&T	Initial Chatter		-	Database Table
			VVIIGIGSS	United States	24-5ep-99		Transversals

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1816413.8 AT\$TIAT\$T United States 12.Jan-99 30.Oct-01 Size Sizes	ber	Number	Number	Owner	Name			Calling Party Paid Wireless Telecommunication
1818413.8 Wireless			·	AT&T/AT&T	<u> </u>	2-Jan-99	30-Oct-01	System System
1818413.6 AT\$TATAT\$T China P.R. 06-Nov-01 OF Nov-01 OF		19/228646	6311053	Wireless			•	Method and Apparatus to
1818413.8 Mireless China P.R. Oct-Nov-01 Delanges Convention Oct-Nov-01 Convention Oct-Nov-01 Oct-Nov-								Automatic Confirmation of
1818413.8 Wireless China P.R. G6-Nov-01 Nie				AT&T/AT&T				Short Message Service
1990011.7 ATATIAT&T European Patent O6-Nov-01				Wireless	China P.R.	06-Nov-01		Method and Apparatus for
1990011.7 Analyses European Patent OG-Nov-Ort Do Nov-Ort Do Nov-Ort OG-Nov-Ort Do Nov-Ort Do		1818413.8						Network-Assisted
1990011.7 AT&TAT&T European Patent Os-Nov-01								Automatic Confirmation of
1990011.7 1990011.7 Wireless Convention United States Patent Cooperation Macro				AT&T/AT&T	European Patent	10 volv 90		Delivery
Patent P		1990011.7		Wireless	Convention	10-404-00		Method and Apparatus for
Portusoria7231 Patient Patient Patient Patient Patient Patient Poperation Down-Orl								Network-Assisted
PCT/US0147231 AT&T/AT&T Cooperation De-Nov-01 M Mineless Treaty Of-Nov-01 M A A AT&T/AT&T United States Of-Nov-01 De-Nov-01 De		: :	:		Patent			Short Message Service
PCT/US01/47231 Wireless Ireaty United States United				AT&T/AT&T	Cooperation	Ne.Nov.01		Delivery
10/011554 AT&TIAT&T United States 06-Nov-01 D D	ţ	DCT//1501/47231		Wireless	Ireaty	10-1001-00		Method and Apparatus for
1100127.8 AT&T/AT&T United States 06-Nov-01 D D	5							Network-Assisted
10/011554 AT&T/AT&T United States 06-Nov-01 D D				:				Short Message Service
10011554 Wireless				AT&T/AT&T	1 Inited Chatee	06-Nov-01		Delivery
1100127.8 AT&T/AT&T European Patent 12-Jan-01 Wireless Convention 12-Jan-01 W Wireless Wireless Wireless Wireless AT&T/AT&T United States 04-Sep-01 Wireless AT&T/AT&T Convention O7-Jun-01 S22-Jun-04 Wireless AT&T/AT&T United States 16-Feb-01 S2-Jun-04 Wireless AT&T/AT&T United States 16-Feb-01 S2-Jun-04 Wireless AT&T/AT&T United States O7-May-01 AT&T/AT&T European Patent G6-Jun-01 O6-Jun-01 Wireless Convention O6-Jun-01 O6	S2	10/011554		Wireless	Ollifed States			Wireless Internet Call
1100127.8 Wireless				AT&T/AT&T	Convention	12-Jan-01		Waiting Service
09/945868 AT&T/AT&T United States 11-Dec-00 N N N N N N N N N	ည	1100127.8		Wireless				Methods and Apparatus for 1
C1 09/945868 AT&T/AT&T United States 04-Sep-01 V V V V V V V V V				AT&T/AT&T	States Lotter	11-Dec-00		Conferencing
C1 09/945868 AT&T/AT&T United States 04-Sep-01 Convention O7-Jun-01 C 1112965.7 AT&T/AT&T European Patent Convention O7-Jun-01 AT&T/AT&T Convention AT&T/AT&T AT&T/AT&T United States 16-Feb-01 22-Jun-04 AT&T/AT&T AT&T/AT&T United States 07-May-01 AT&T/AT&T AT&T/AT&T European Patent Convention AT&T/AT&T European Patent Convention 06-Jun-01 AT&T/AT&T Convention 06-Jun-01 AT&T/AT&T Convention AT&T/AT&T Convention AT&T/AT&T Convention 06-Jun-01 AT&T/AT&T AT&T/AT&T Convention AT&T/AT&T Convention AT&T/AT&T AT&T/AT&T Convention AT&T/AT&T Convention AT&T/AT&T AT&T/AT&T AT&T/AT&T AT&T/AT&T AT&T/AT&T AT&T/AT&T AT&T/AT&T AT&T/AT&T	S	09/734157		Wireless	Dimo Comin			Methods and Apparatus for
09/945868 Wireless United States 11/2965.7 European Patent of Convention 07-Jun-01 Process -522416 6754506 Wireless United States 16-Feb-01 22-Jun-04 -615919 AT&T/AT&T United States 07-May-01 United States 07-May-01 4112956.6 Wireless AT&T/AT&T European Patent 06-Jun-01				AT&T/AT&T	1 Inited States	04-Sep-01		Conferencing
1112965.7 AT&T/AT&T European Patent O7-Jun-01 Wireless COnvention O7-Jun-01 COnvention O7-Jun-01 COnvention O7-Jun-04 COnvention COnvention O7-Jun-04 COnvention COnvention O7-Jun-04 COnvention CO	JS.C1	09/945868		Wireless		1 _		System Haying Enhanced
1112965.7 Wireless			•,	AT&T/AT&T	European Patent			Power Control
-522416 6754506 Wireless United States 16-Feb-01 22-Jun-04 -615919 AT&T/AT&T United States 07-May-01 Wireless AT&T/AT&T European Patent Wireless Convention 06-Jun-01	S S	1112965.7		Wireless	Company			TOMA Communication
-522416 6754506 Wireless United States 07-May-01 -615919 AT&T/AT&T United States 07-May-01 AT&T/AT&T European Patent Wireless Convention 06-Jun-01				AT&T/AT&T	Softed Chaffer	16-Feb-01	22-Jun-04	Power Control
-615919 AT&T/AT&T United States 07-May-01 Wireless AT&T/AT&T European Patent AT&T/AT&T Convention 06-Jun-01	US	-522416	6754506	Wireless	Onited States			Method and System for Signaling Presence of
-615919 Wireless United States 07-May-01 AT&T/AT&T European Patent O6-Jun-01 Wireless Convention 06-Jun-01	··.,		٠,	ATRI/ATRI				Users in a Multi-Networked
AT&T/AT&T European Patent 06-Jun-01 Wireless Convention 06-Jun-01	<u>g</u>	-615919		Wireless	United States	┥-	-	Method and Apparatus for
1112956.6 Wireless	3			AT&T/AT&T	European Paten			Sharing Wireless Content
	EPC	1112956.6		Wireless	COLINGIA			

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Number	Number	Number	Owner	Name	Date	Date	Title	
572.US	09/801635		AT&T/AT&T Wireless	United States	09-Mar-01		Method and Apparatus for Sharing Wireless Content	us for
629.CA	2411899		. AT&T/AT&T Wireless	Canada	15-Nov-02		Progressive Reuse Partitioning for Improved Interference Rejection in Wireless Packet Networks	ved n In vorks
629.US	1035707		AT&T/AT&T Wireless	United States	15-Nov-01		Progressive Reuse Partitioning for improved Interference Rejection in Wireless Packet Networks	ved n in vorks
727.US	09/148316	6404753	AT&T/AT&T Wireless	United States	04-Sep-98	11-Jun-02	Method and Apparatus for Controlling Access to a Communication Channel	us for a nnel
741.PCT	PCT/US01/28658		AT&T/AT&T Wireless	Patent Cooperation Treaty	14-Sep-01		Apparatus, System and Method for Validating Integrity of Transmitted Data	ور_ ع ا
741.US	2670533		AT&T/AT&T Wireless	United States	18-Sep-00		Apparatus, System and Method for Validating Integrity of Transmitted Data	و _ يو
742.US	09/783843		AT&T/AT&T Wireless	United States	15-Feb-01		Apparatus, System and Method for Detecting a Loss of Key Stream Synchronization in a Communication System	ه مر
743.EPC	2731814,6		AT&T/AT&T Wireless	European Patent Convention	15-May-02	·	Apparatus, System and Method for Validating Integrity of Transmitted Data	P _ P
743.PCT	PCT/US02/15451		AT&T/AT&T Wireless	Patent Cooperation Treaty	15-May-02		Apparatus, System and Method for Validating Integrity of Transmitted Data	g g
743.US	09/879575		AT&T/AT&T Wireless	United States	12-Jun-01		Apparatus, System and Method for Validating Integrity of Transmitted Data	2 x
186.US	29/021670	D363068	Claircom Communications	United States	21-Apr-94	10-Oct-95	Alrline Telephone Handset With Digital Passenger Control Functions and Video Game Controls	ndset d
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Docket	Application	Patent		Country	Application Date	Grant Date	Title
Number	Number	Number	Owner	Zalle	25.2		Airline Telephone Handset
			Claircom			23-Jan-96	Control Functions and Video Game Controls
186.US.CP1	29/021800	D366482	Communications	United States	22-Apr-34		Airline Telephone Handset
			Claircom	United States	19-Jun-95	18-Jun-96	Control Functions and Video Game Controls
186.US.D1	29/040119	D370910	Claircom			7	Telephone Handset and
187.US	08/482288	5652792	Communications	United States	07-Jun-95	78-7nr-67	Pio Pio
14 00	3256/05	18022	Claircom Communications	Austria	08-Sep-95	20-Oct-95	Telephone Handset
186.AI	4006 4008	77925	Claircom Communications	Canada	07-Sep-95	25-Jan-96	Telephone Handset
188.CA	NOE07231 A	M9507231.4	Claircom Communications	Germany	07-Sep-95	21-Feb-96	Telephone Handset
188.UE	110210CEM	054887	Claircom	France	11-Sep-95	09-Feb-96	Telephone Handset
188.FR	954887	2050278	Claircom Communications	Great Britain	08-Sep-95	25-Jan-96	Telephone Handset
188.GB	2050278	9900591	Claircom Communications	Hong Kong	10-Mar-95	23-Jul-99	Telephone Handset
188 KR	16827/1995	192764	Claircom Communications	South Korea	07-Sep-95	03-Feb-97	Telephone Handset
188 SF	951701	59555	Claircom Communications	Sweden	08-Sep-95	05-Jun-96	Telephone Handset
188.5G	2050278	2050278	Claircom Communications	Singapore	08-Sep-95	25-Jan-96	Telephone Handset
188115	29/035969	D371553	Claircom Communications	United States	10-Mar-95	96-Jnf-60	Telephone Handset
189 EPC	96907201.6		Claircom Communications	European Patent Convention	08-Mar-96		Handsel in ah Armrest Tribe Mounted Telephone
189 HK	98106849.3		Claircom Communications	Hong Kong	26-Jun-98		Handset in an Armrest Tube Mounted Telephone
189.US	2548877	5627891	Claircom	United States	10-Mar-95	06-May-97	Handset in an Armrest

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<u></u>	hone	hone	hone	hone	hone	eader	sck Aircraft t	Telephone	f Frequency an Airborne an System	ohone Set	nd-Off for Air	igital stribution	igital stribution	ing Method or Airborne	ing Method or Airborne
Title	Airplane Telephone	Credit Card Reader	Wired Seat Back Aircraft Telephone Set	Multi-Purpose Telephone Strain Relief	Stabilization of Frequency and Power in an Airborne Communication System	Airplane Telephone Set	Seamless Hand-Off for Air- To-Ground Systems	Mutt-Nodal Digital Telephone Distribution System	Multi-Nodal Digital Telephone Distribution System	Short Messaging Method and System for Airborne Passengers	Short Messaging Method and System for Airborne Passengers				
Grant Date	20-Feb-97		02-Aug-02		02-Nov-95	31-Oct-95	25-Apr-95	28-Feb-95	03-Oct-95	22-Aug-95	21-May-02			10-Sep-02	
Application Date	25-Apr-95	25-Apr-95	25-Apr-95	25-Apr-95	25-Apr-95	26-Mar-93	26-Mar-93	26-Mar-93	26-Mar-93	26-Mar-93	26-May-95	30-Nov-99	14-Mar-01	08-Mar-00	02-Aug-02
Country Name	Germany	Japan	South Korea	Mexico	Patent Cooperation Treaty	United States	United States	United States	United States	United States	United States	United States	United States	United States	United States
Owner	Claircom Communications	Claircom Communications	Claircom Communications	Claircom Communications	Claircom Communications	Claircom Communications	Claircom Communications	Claircom Communications	Claircom Communications	Claircom Communications	Claircom Communications	Claircom Communications	Claircom Communications	Claircom Communications	Claircom Communications
Patent Number			10-348946		95/04821	5463678	5410597	5394467	5455964	D361568	6393281			6449287	
Application Number		527740/95	5967	965011	PCT/US95/04821		08/040179		08/042426	29/007592			Mailed	09/520806	10/211929
Docket Number		191.JP	191.KR	191.MX	191.PCT		195.US				5	223	+	 	ε

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<u>g</u>	on in the state of	Virginization Communication Co	Wireless Communications	Terminal	Wireless Communications Terminal		Wireless Communications Terminal	Wireless Communications Terminal	Wireless Communications	Wireless Communications	Terminal	Wireless Communications Terminal		Multithreaded Batch Processing System	Multithreaded batch Processing System	Multithreaded Batch Processing System	Method and Apparatus for	Processing Discrete Billing Events	Method and Apparatus for	Events	No-Reset Option in a Batching Billing System	
Grant	Date	10-Apr-95		29-Sep-95	29-Sep-95		31-Mar-95	20-Apr-00	76 Fob 06	20-1-02	05-Jul-95	05-Jul-95		16-Mar-04	18-Dec-01	16-Sep-97		·· .	, i	03-Mar-98		
Application	Date	14-Dec-94		21-Dec-94	21-Dec-94		22-Dec-94	22-Dec-94		22-Dec-94	22-Dec-94	22-Dec-94		04-Sep-01	04-Jun-97	10. Apr. 94		23-Feb-95		19-Apr-94	מס לפח ככ	20-1 e0-50
Country	Name	Germany		Finland	ָרָנָים <u>י</u>	2 Indian	France	i de la companya de	(10)	Japan	Sweden		Sweden	United States	United States	octory Post 1	Onlied States	Canada		United States	-	Canada
	Owner	McCaw Cellular	Communications	McCaw Cellular Communications	McCaw Cellular	Communications	McCaw Cellular Communications	McCaw Cellular	McCaw Cellular	Communications	McCaw Cellular Communications	McCaw Cellular	Communications	Teleflex Information Systems. Inc.	Teleflex Information	Teleflex Information	Systems, Inc.	Teleflex Information	Systems, inc.	Teleflex Information Systems, Inc.	Teleflex Information	Systems, Inc.
Patent	Number		M9409857.3	17729		17730	946994		69309	953799	57901		57902	30000	0770010	6232167	5668993			709700	21.24.304	
Annilostion	Application		M9409857.3	861/94		862/94	700970		TO940000254	39446/1994	042575		942576		09/944380	08/868942	08/229526		2184368		08/698277	2184369
40700	Docket		153.DE N	153 FL.1		153.FL.2	Č.	XY.:261	153.IT	153.IP	7 20 637	133.36.1	153.SE.2		2001-TE001	2001-TE001	2001-TE001		2001-TE002	. : <u>,</u>	2001-TE002	2001-TE003

Docket Number	Application Number	Patent Number	Owner	Country Name	Application Date	Grant Date	Title
2001-TE003	09/938827	6658488	Teleflex Information Systems, Inc.	United States	27-Aug-01	02-Dec-03	No-Reset Option in a Batching Billing System
2001-TE003	09/340384	6282519	Teleflex Information Systems, Inc.	United States	28-Jun-99	28-Aug-01	No-Reset Option in a Batch Billing System
2001-TE003	08/377610	5999916	Teleflex Information Systems, Inc.	United States	25-Jan-95	07-Dec-99	No-Reset Option in a Batching Billing System
2001-TE003.C1	10/622106		Teleflex Information Systems, Inc.	United States	17-Jul-03		No-Reset Option in a Batching Billing System

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